

# SPAN CHARTS

FAÇADES, SUNSHADES, SCREENS AND MORE  
ARCHITECTURAL ELEMENTS

**Geolam**<sup>®</sup>

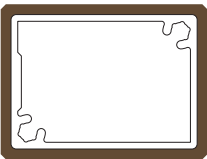
Architectural Eco-Technology

MERRIAM COMMUNITY CENTER, MS

## Notes

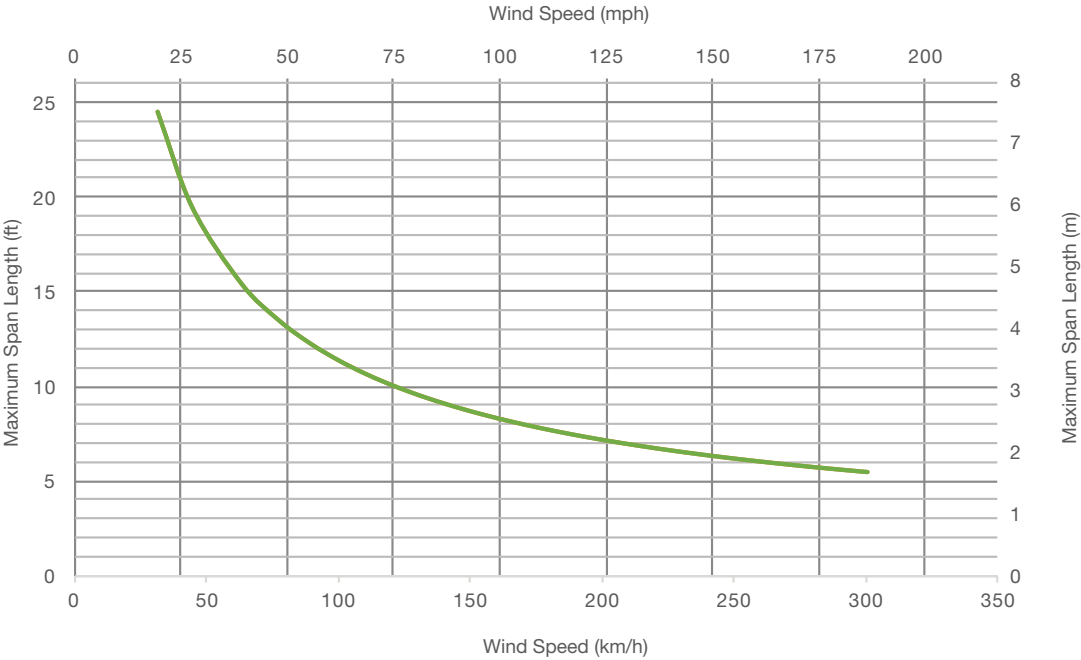
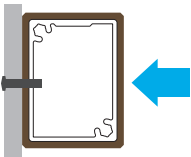
1. These charts account for wind loads only.
2. Based on a deflection limit of  $L/120$  (International Building Code 2015)
3. Suggested length for a cantilever installation is half of the length displayed on the chart.
4. These charts do not account for increased wind load at building corners. Suggested 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

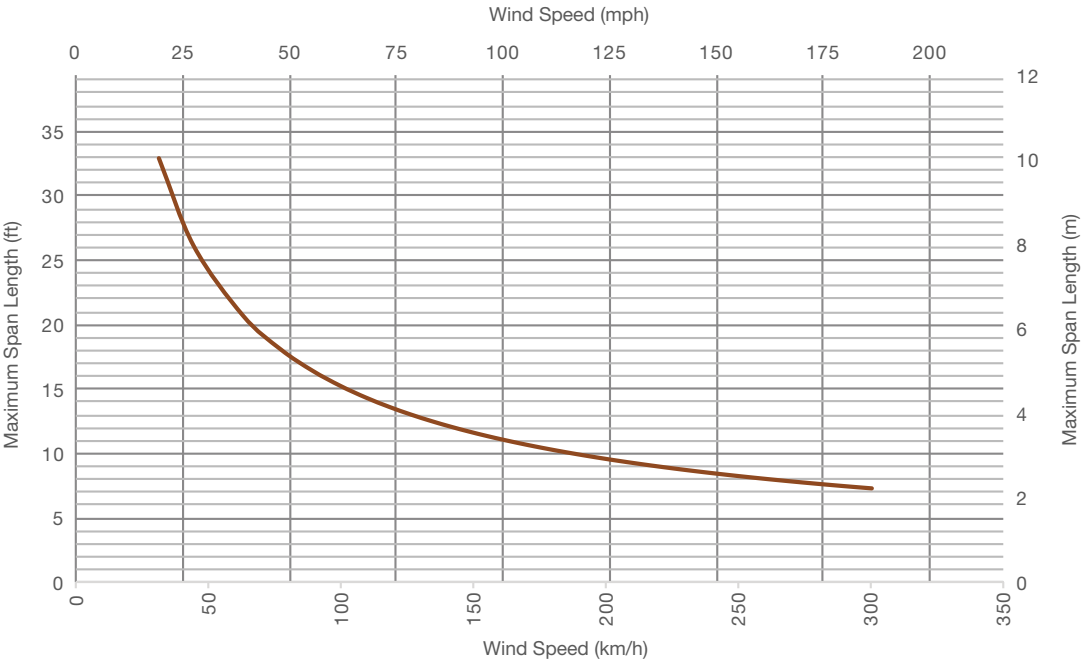
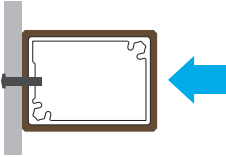


|                    |                                 |
|--------------------|---------------------------------|
| Dimensions         | 40 mm x 30 mm / 1 5/8" x 1 1/4" |
| Weight             | 0.74 kg/ml / 0.50 lb/ft         |
| End Caps           | Yes                             |
| Splices/Connectors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

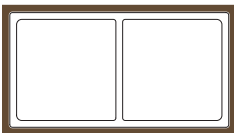
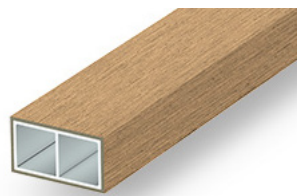
Span length for wind on wide side



Span length for wind on narrow side

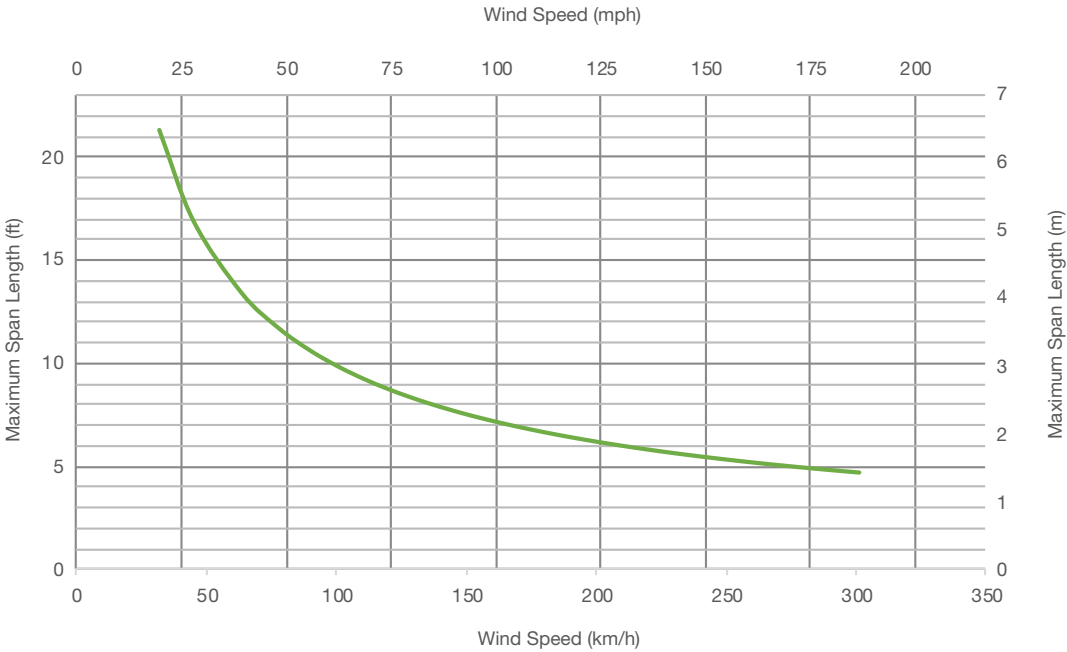
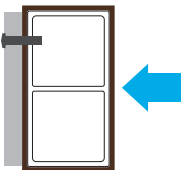


# Soleo 6005

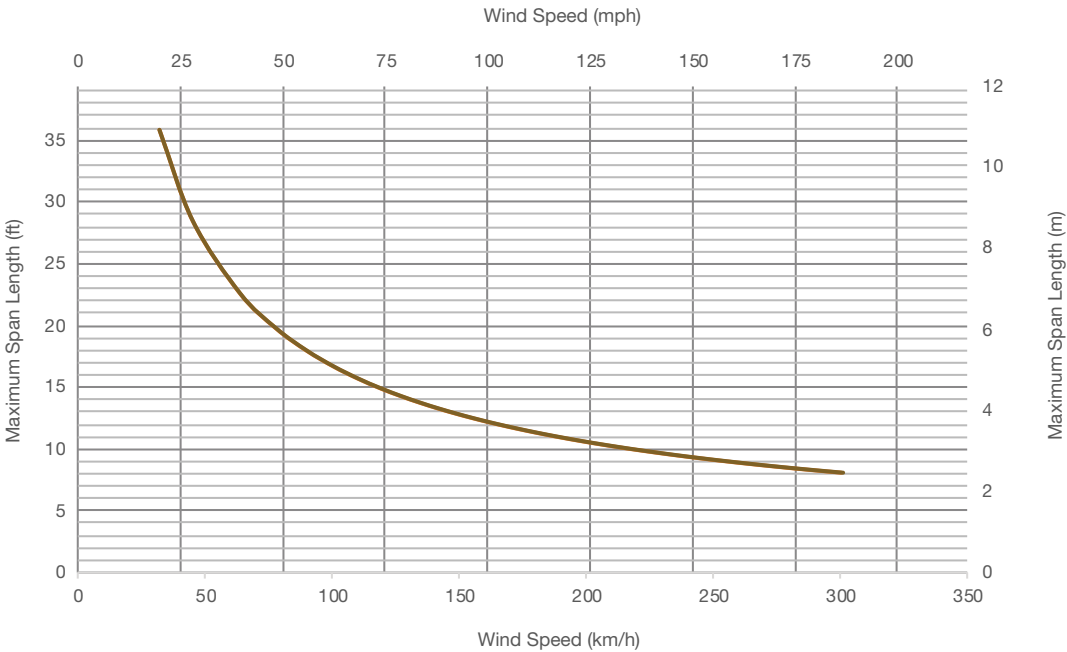
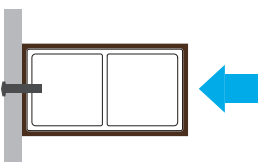


|                    |                             |
|--------------------|-----------------------------|
| Dimensions         | 45 mm x 25 mm / 1 3/4" x 1" |
| Weight             | 0.60 kg/ml / 0.40 lb/ft     |
| End Caps           | No                          |
| Splices/Connectors | No          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

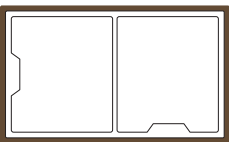
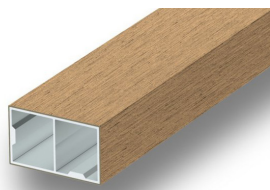
Span length for wind on wide side



Span length for wind on narrow side

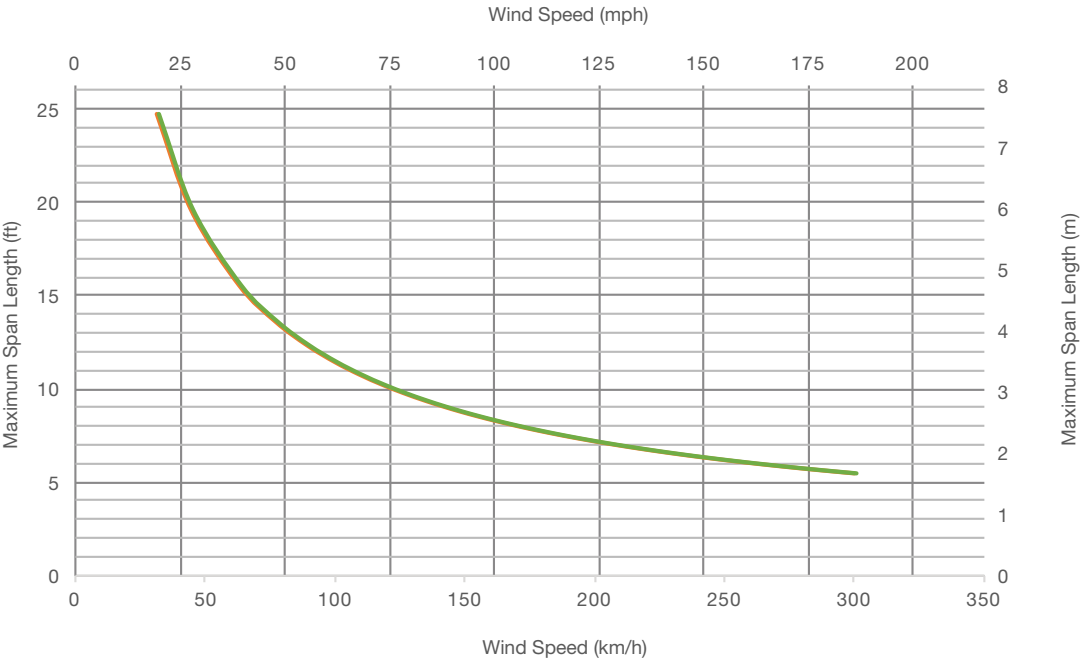
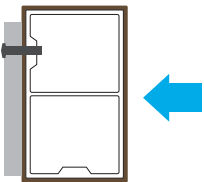


# Soleo 6008

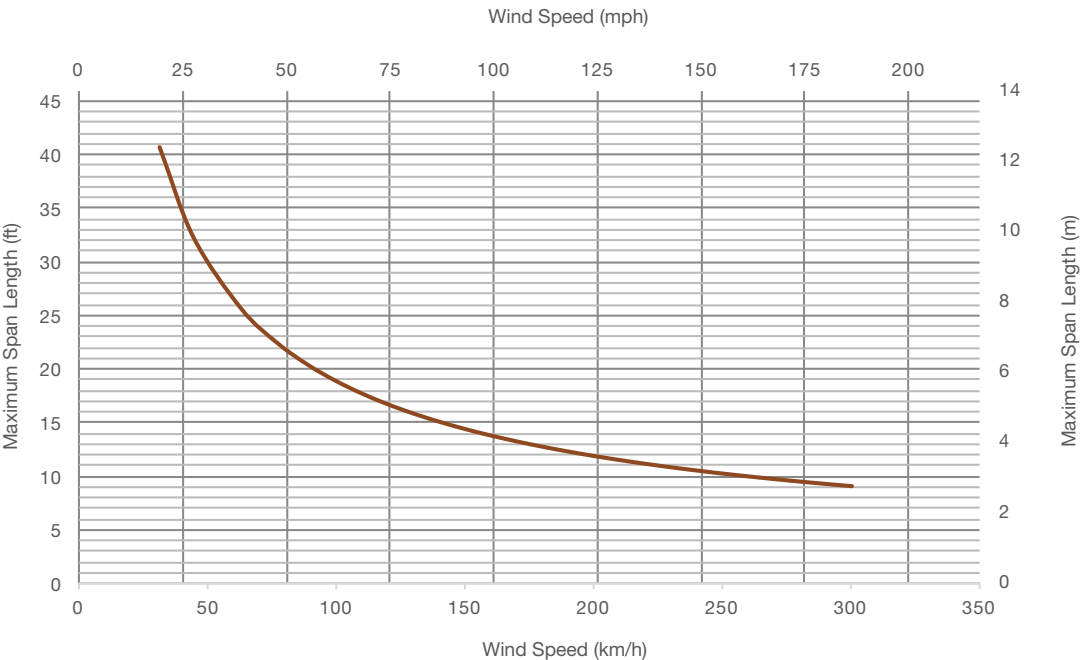
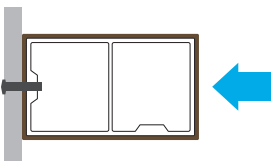


|                    |                             |
|--------------------|-----------------------------|
| Dimensions         | 52 mm x 32 mm / 2" x 1 1/4" |
| Weight             | 0.85 kg/ml / 0.57 lb/ft     |
| End Caps           | Yes                         |
| Splices/Connectors | Yes         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

Span length for wind on wide side

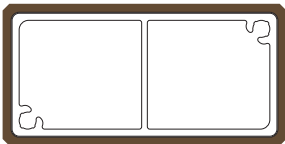


Span length for wind on narrow side



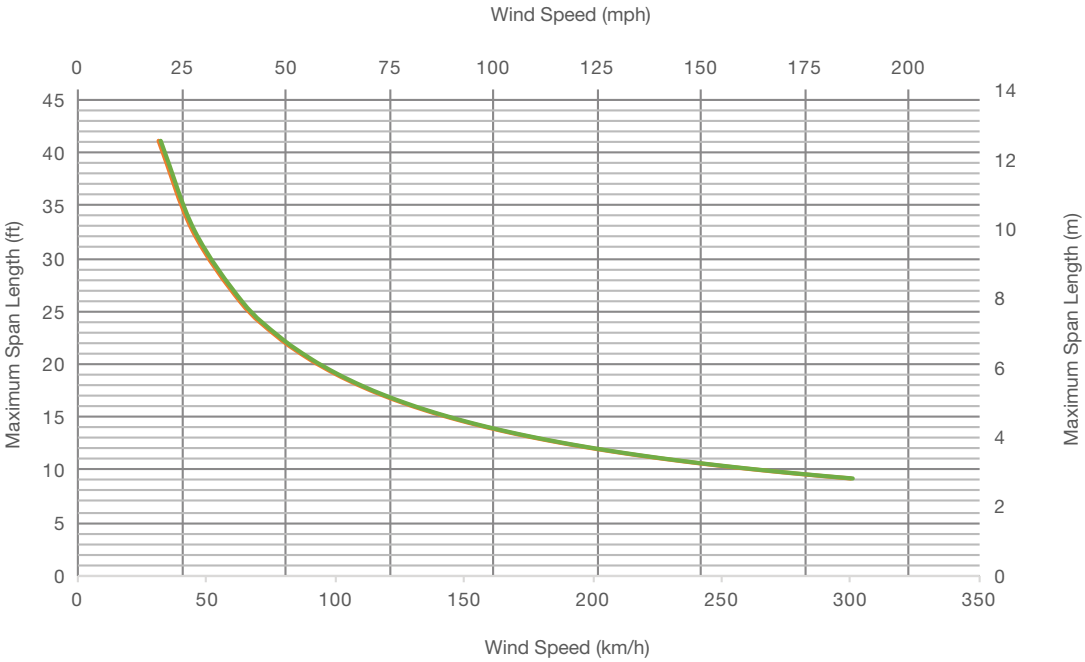
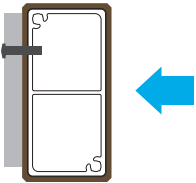


# Soleo 6029

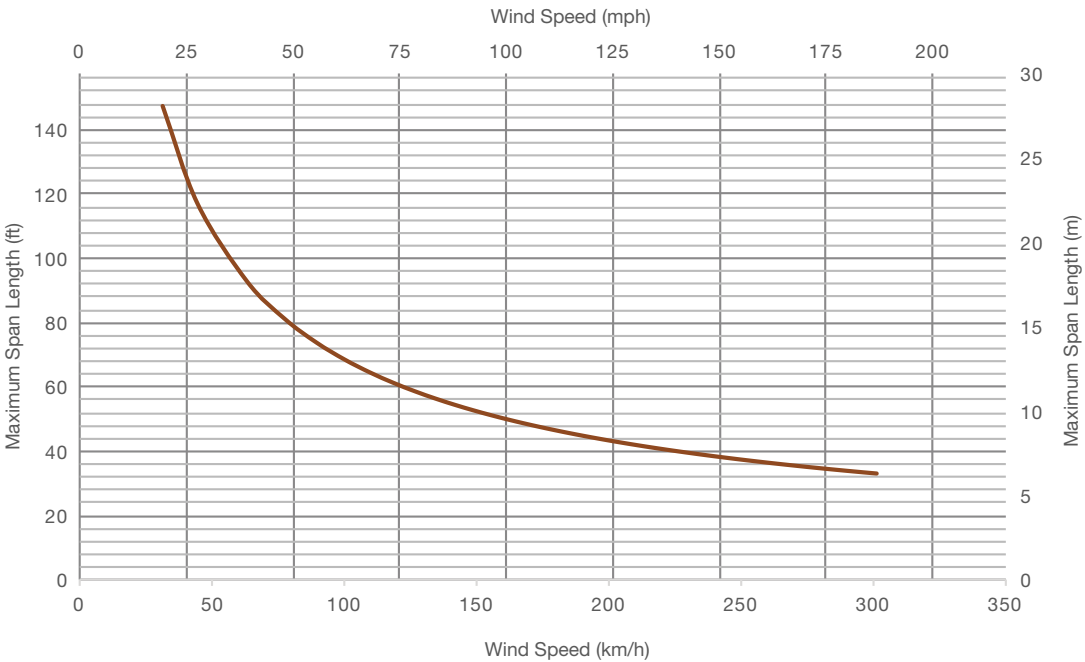
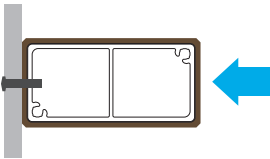


|                    |                                 |
|--------------------|---------------------------------|
| Dimensions         | 60 mm x 30 mm / 2 3/8" x 1 1/4" |
| Weight             | 1.00 kg/ml / 0.67 lb/ft         |
| End Caps           | Yes                             |
| Splices/Connectors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

Span length for wind on wide side



Span length for wind on narrow side

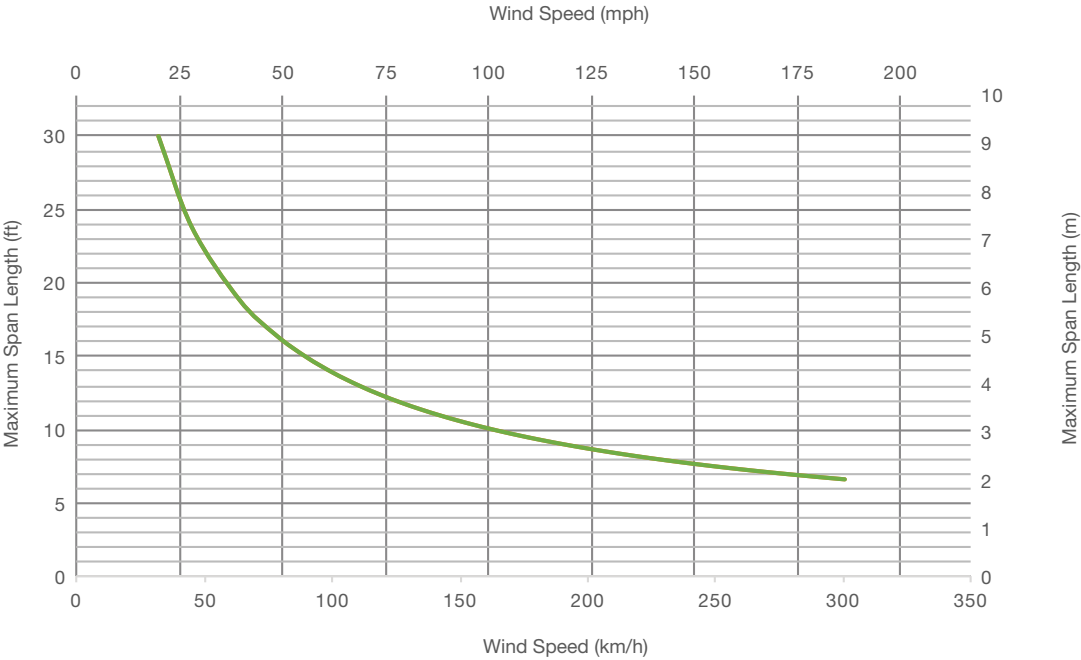
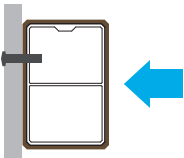


# Soleo 6026

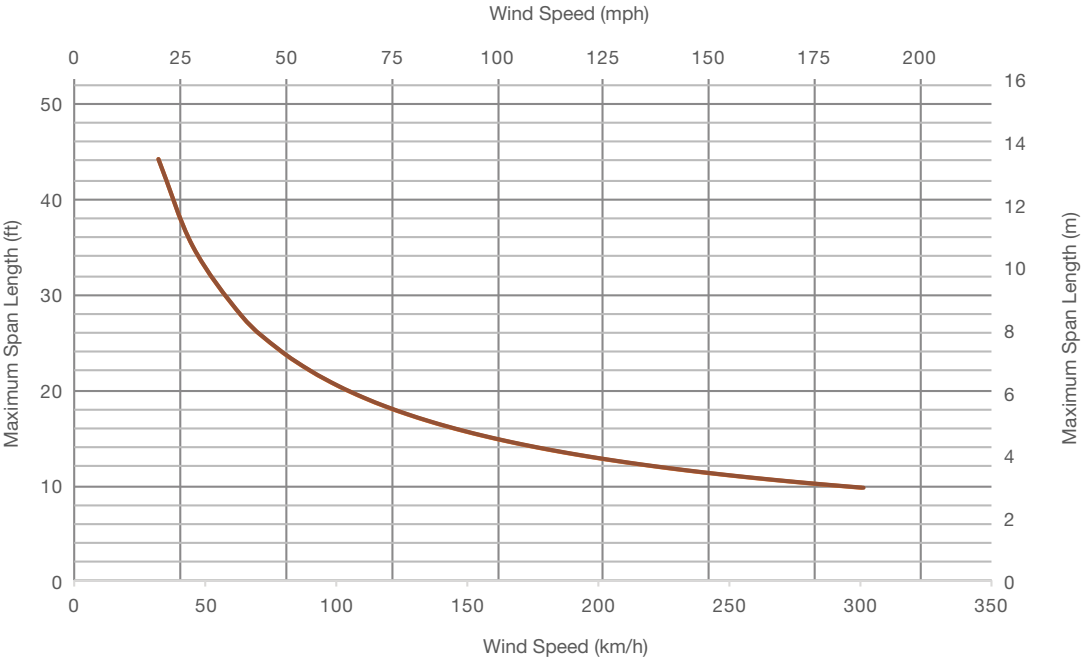
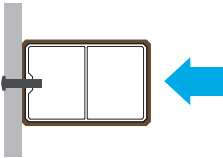


|                    |                                 |
|--------------------|---------------------------------|
| Dimensions         | 60 mm x 40 mm / 2 3/8" x 1 5/8" |
| Weight             | 1.05 kg/ml / 0.71 lb/ft         |
| End Caps           | Yes                             |
| Splices/Connectors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

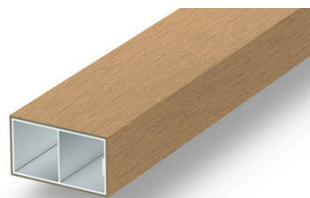
Span length for wind on wide side



Span length for wind on narrow side

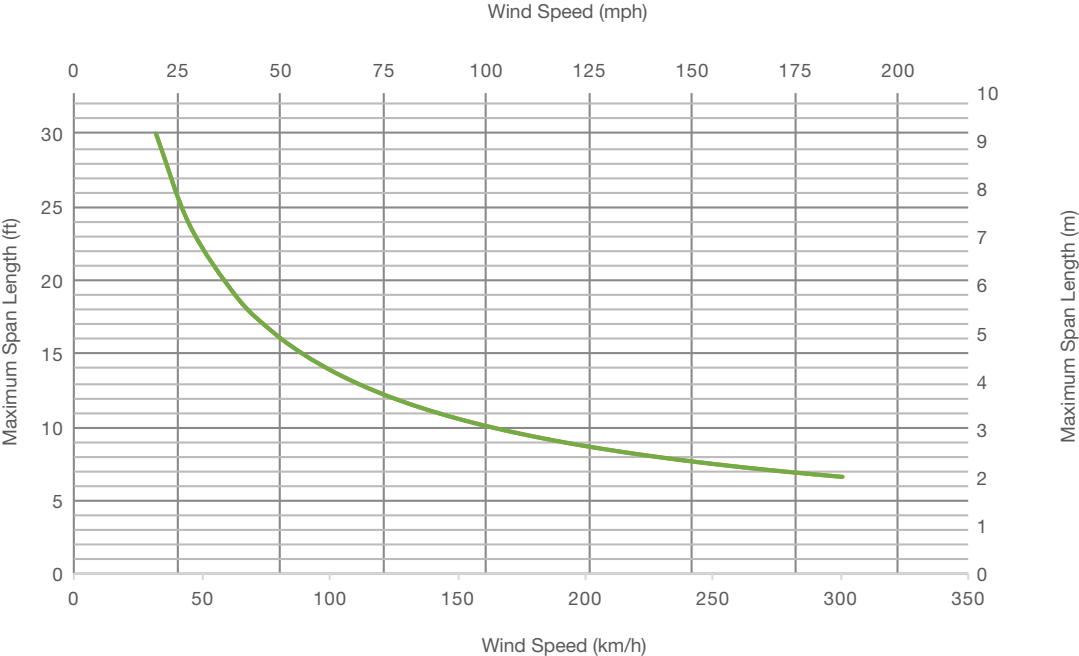
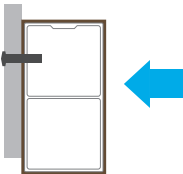


# Soleo 6011

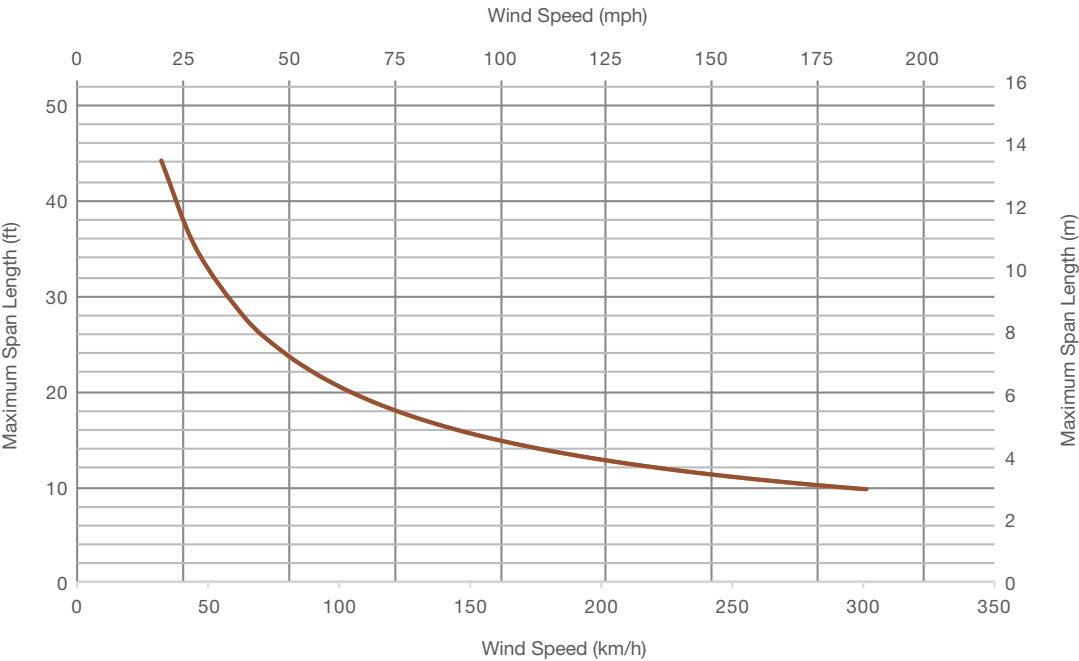
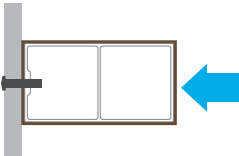


|                    |                                 |
|--------------------|---------------------------------|
| Dimensions         | 70 mm x 40 mm / 2 3/4" x 1 5/8" |
| Weight             | 1.12 kg/ml / 0.75 lb/ft         |
| End Caps           | Yes                             |
| Splices/Connectors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

Span length for wind on wide side



Span length for wind on narrow side

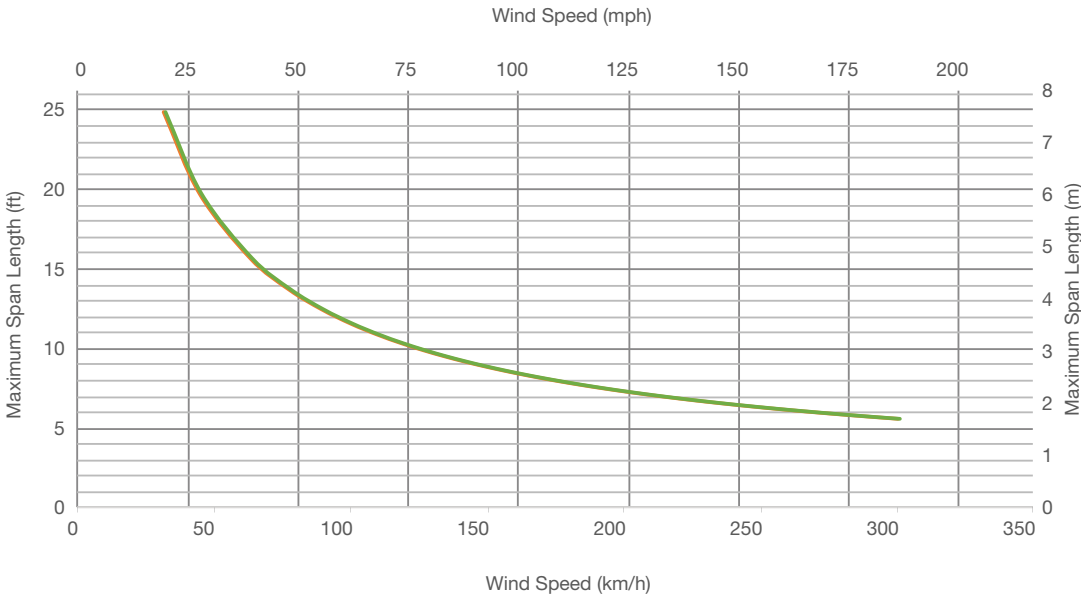
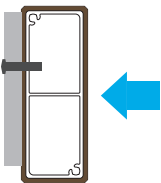


# Soleo 6030

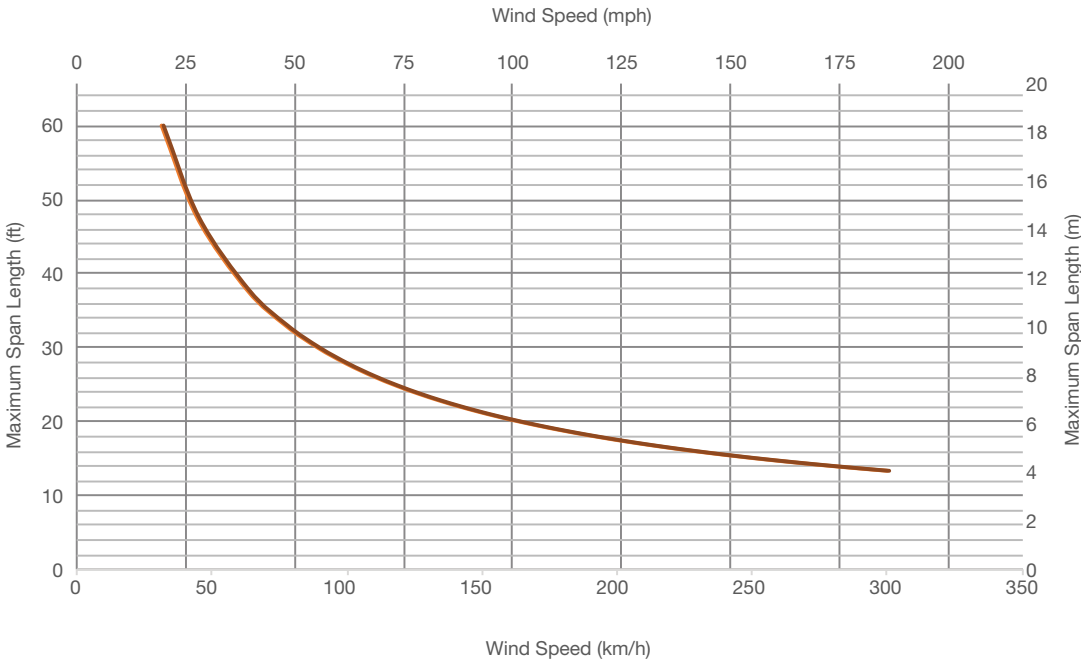
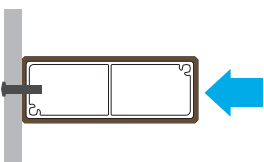


|                    |                                 |
|--------------------|---------------------------------|
| Dimensions         | 80 mm x 30 mm / 3 1/8" x 1 1/4" |
| Weight             | 1.20 kg/ml / 0.81 lb/ft         |
| End Caps           | Yes                             |
| Splices/Connectors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

Span length for wind on wide side

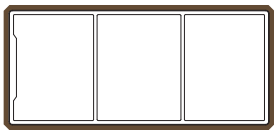
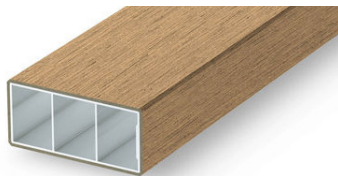


Span length for wind on narrow side



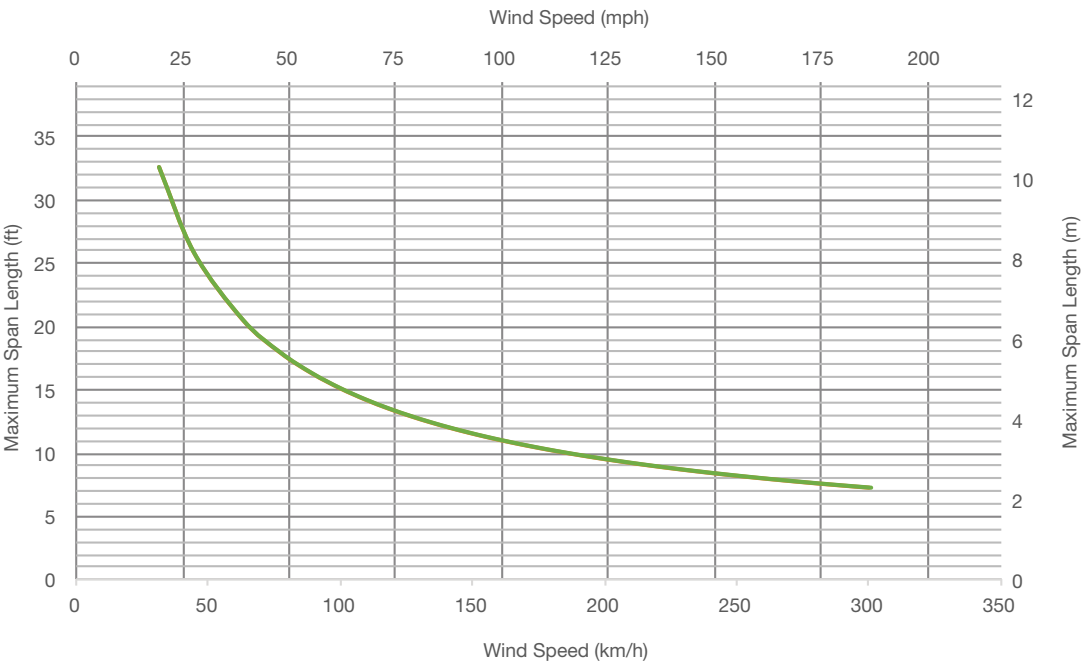
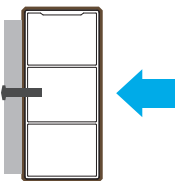


# Soleo 6017

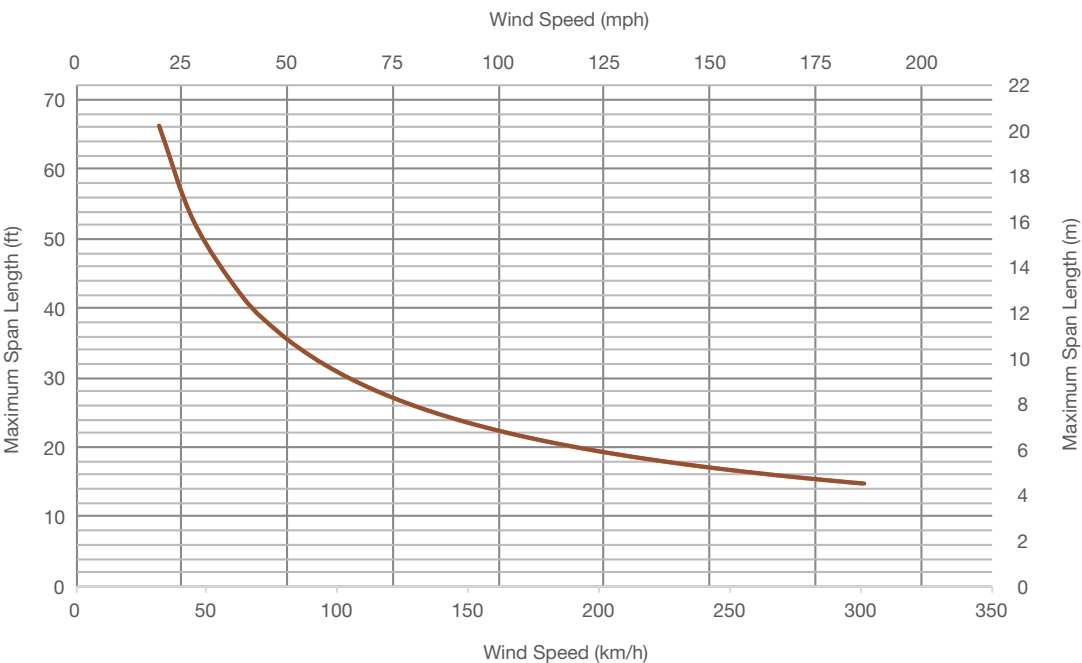
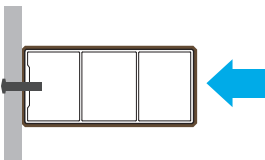


|                    |                                 |
|--------------------|---------------------------------|
| Dimensions         | 93 mm x 43 mm / 3 5/8" x 1 5/8" |
| Weight             | 1.60 kg/ml / 1.08 lb/ft         |
| End Caps           | Yes                             |
| Splices/Connectors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

Span length for wind on wide side



Span length for wind on narrow side

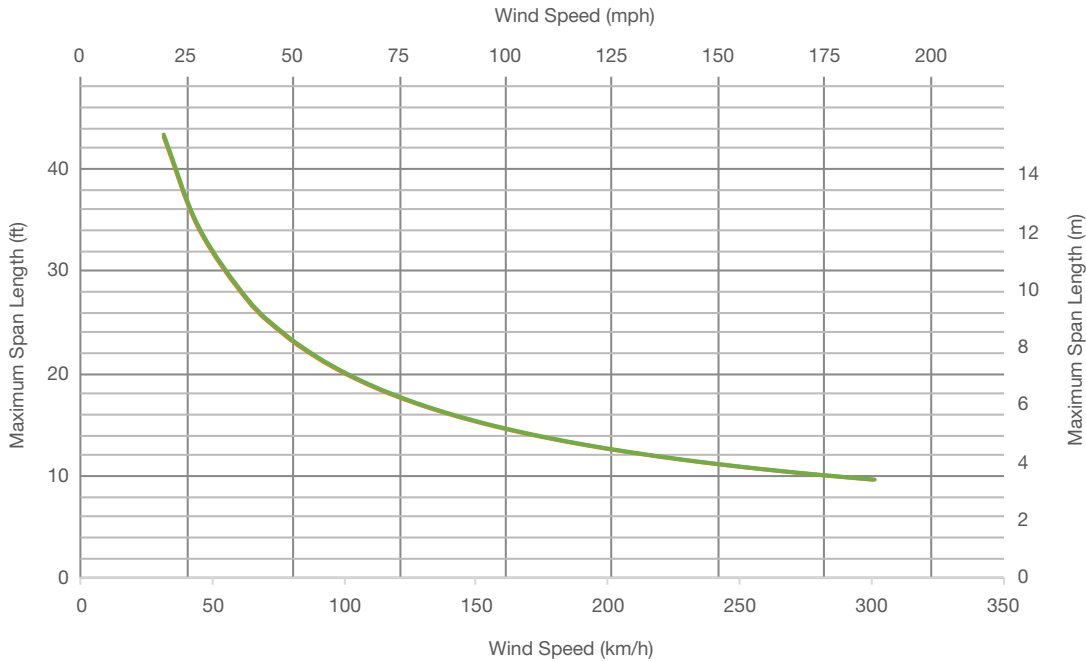
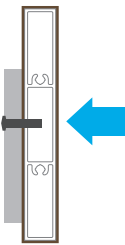


# Soleo 6036

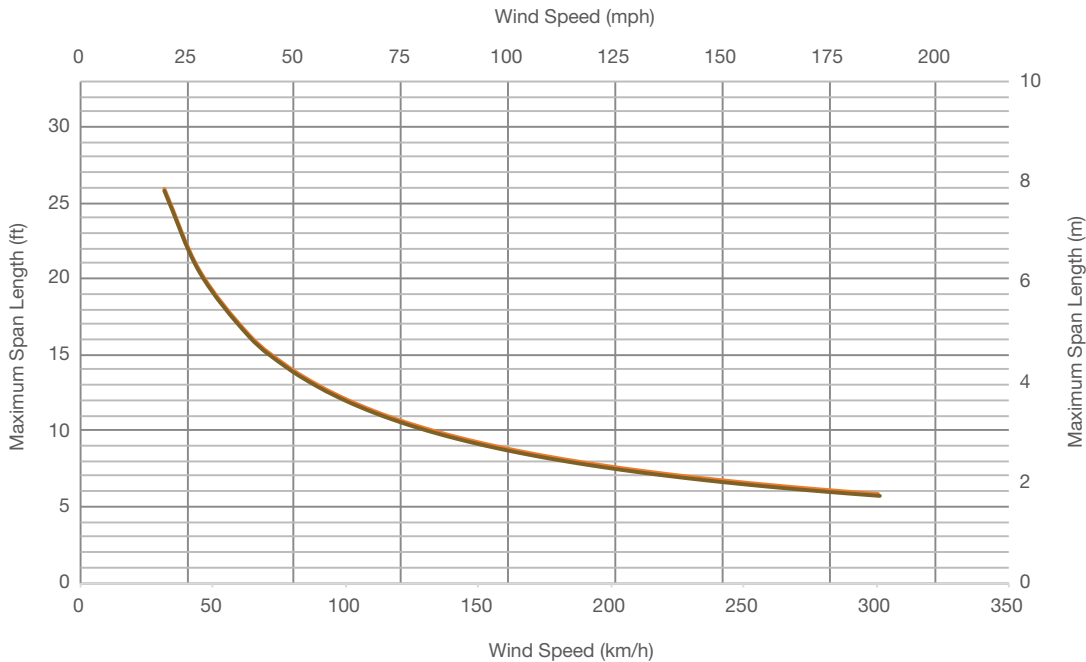
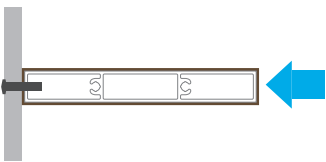


|                    |                            |
|--------------------|----------------------------|
| Dimensions         | 100 mm x 15 mm / 4" x 5/8" |
| Weight             | 1.00 kg/ml / 0.67 lb/ft    |
| End Caps           | No                         |
| Splices/Connectors | No               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

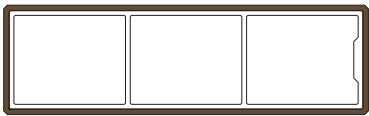
Span length for wind on wide side



Span length for wind on narrow side

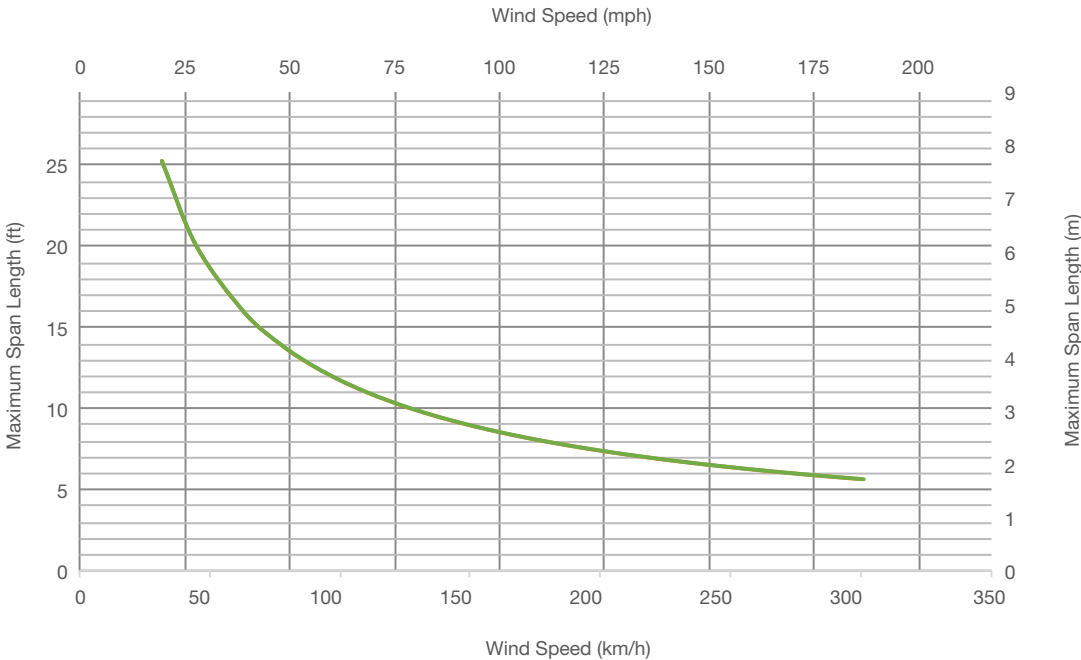
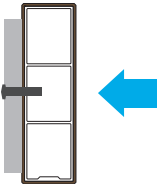


# Soleo 6009

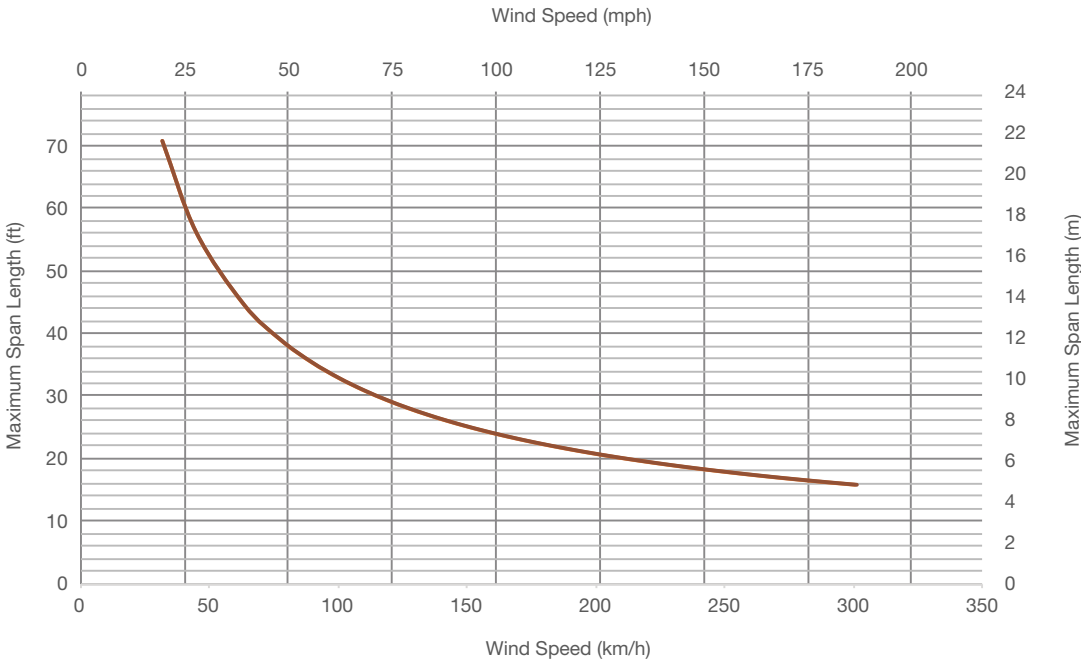
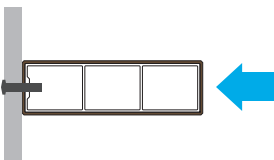


|                    |                              |
|--------------------|------------------------------|
| Dimensions         | 100 mm x 30 mm / 4" x 1 1/4" |
| Weight             | 1.40 kg/ml / 0.94 lb/ft      |
| End Caps           | Yes                          |
| Splices/Connectors | No     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

Span length for wind on wide side



Span length for wind on narrow side

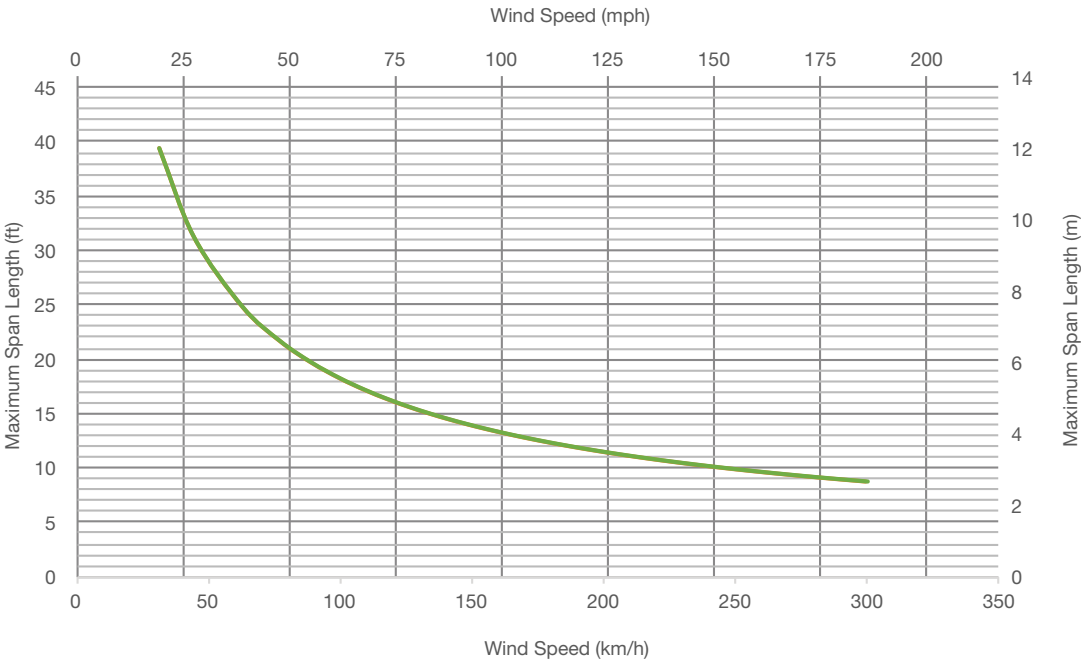
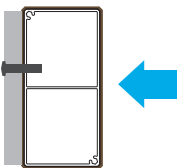


# Soleo 6034

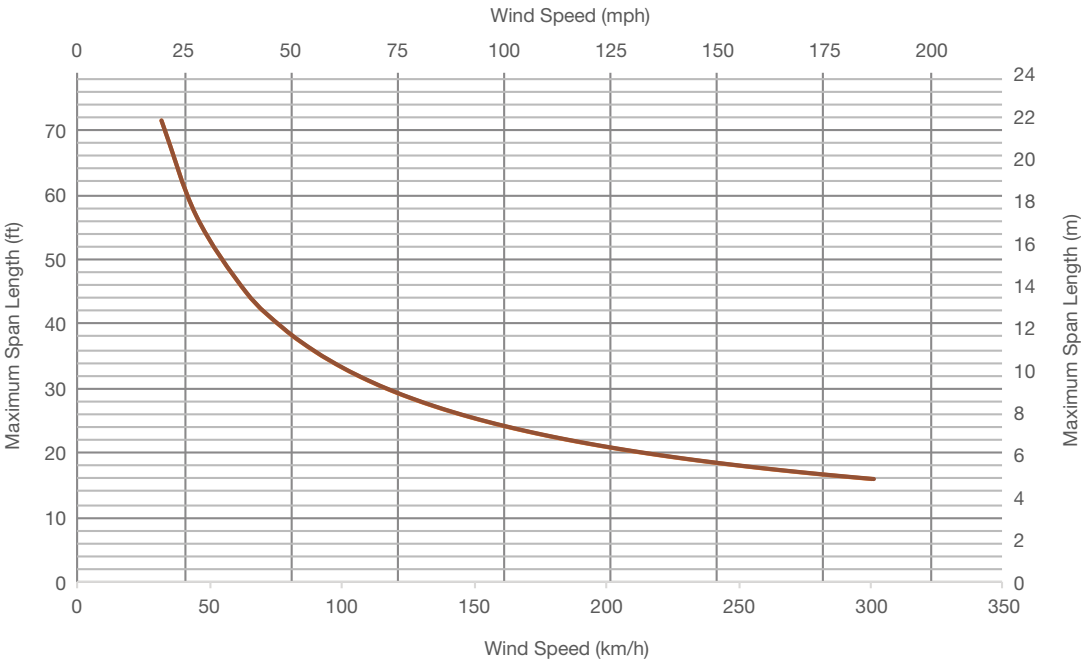
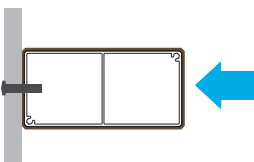


|                    |                                  |
|--------------------|----------------------------------|
| Dimensions         | 105 mm x 53 mm / 4 1/8" x 2 1/8" |
| Weight             | 1.94 kg/ml / 1.30 lb/ft          |
| End Caps           | Yes                              |
| Splices/Connectors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

Span length for wind on wide side



Span length for wind on narrow side

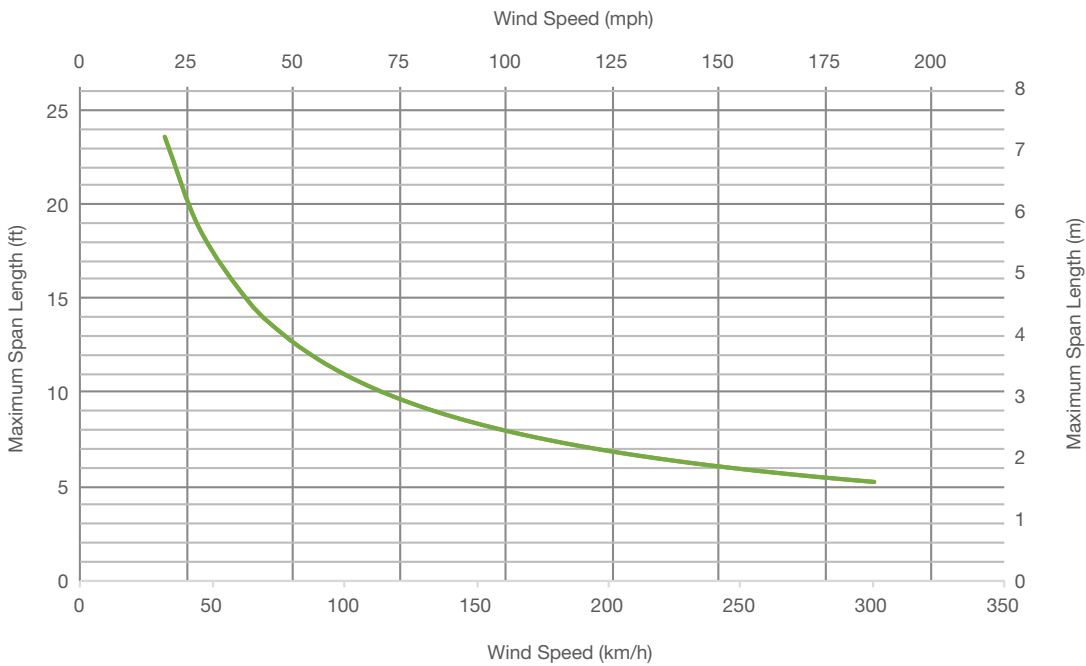
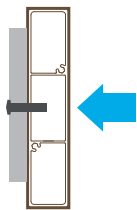


# Soleo 6031

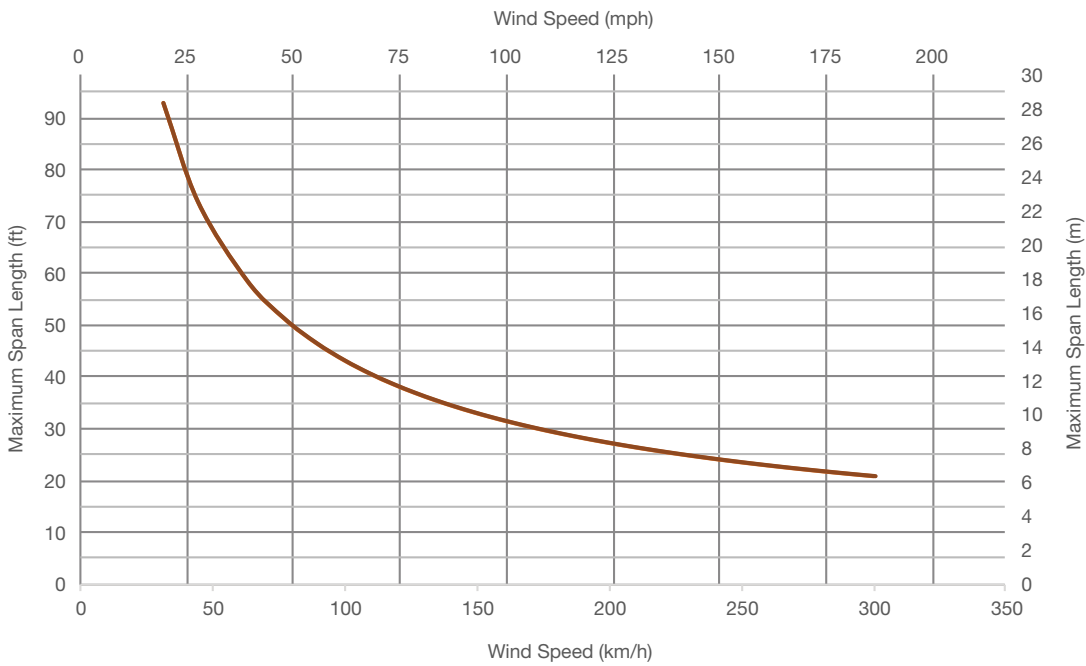
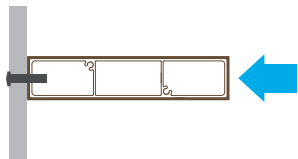


|                    |                              |
|--------------------|------------------------------|
| Dimensions         | 126 mm x 28 mm / 5" x 1 1/8" |
| Weight             | 1.60 kg/ml / 1.08 lb/ft      |
| End Caps           | Yes                          |
| Splices/Connectors | Yes    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

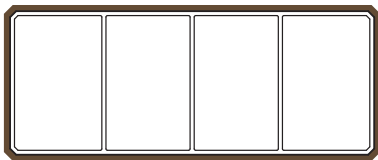
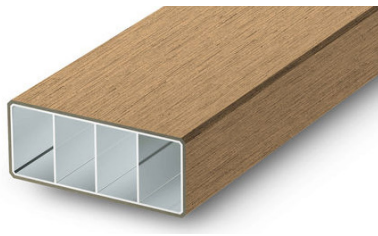
Span length for wind on wide side



Span length for wind on narrow side

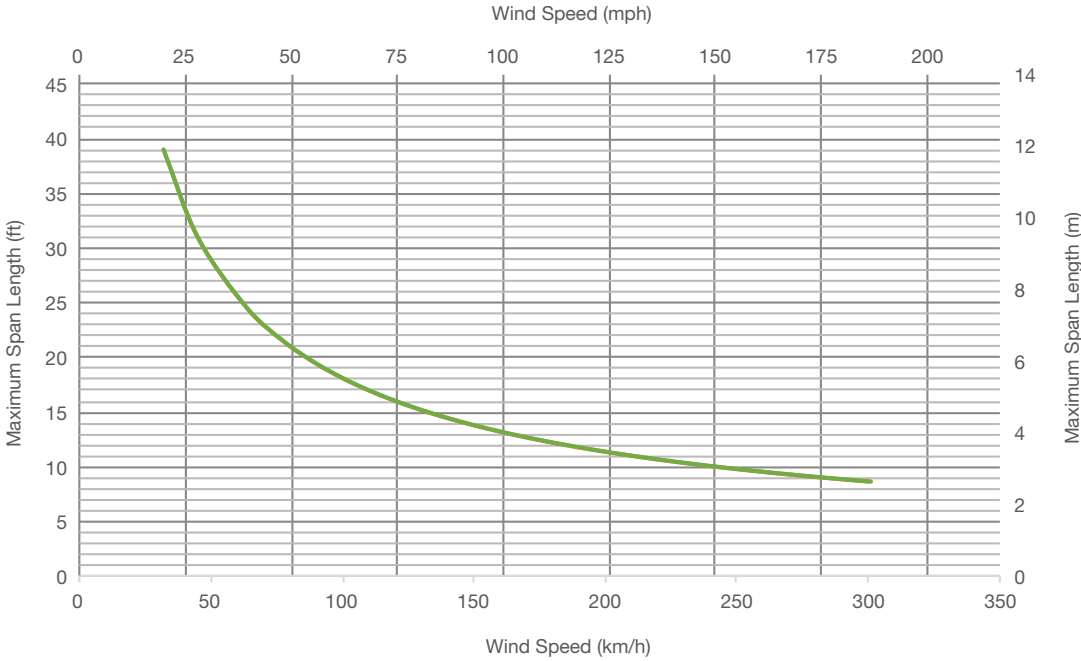
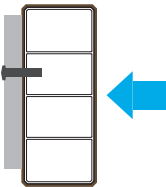


# Soleo 6010

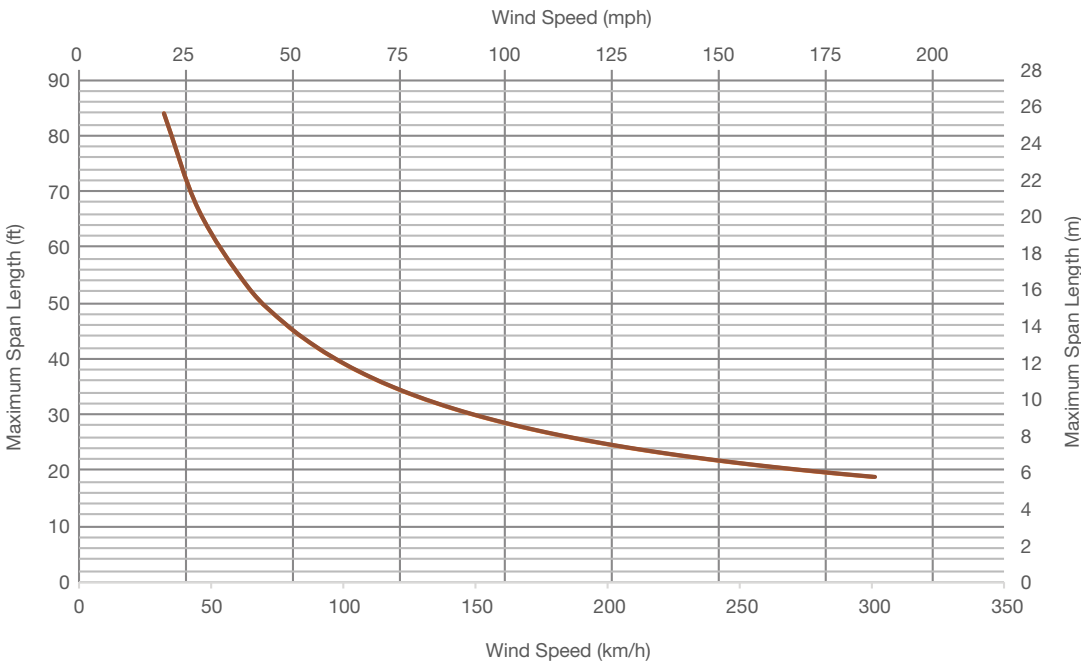
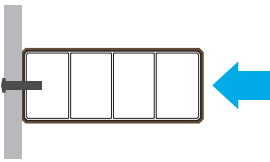


|                    |                                  |
|--------------------|----------------------------------|
| Dimensions         | 128 mm × 53 mm / 5 1/8" × 2 1/8" |
| Weight             | 2.30 kg/ml / 1.55 lb/ft          |
| End Caps           | Yes                              |
| Splices/Connectors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

Span length for wind on wide side



Span length for wind on narrow side



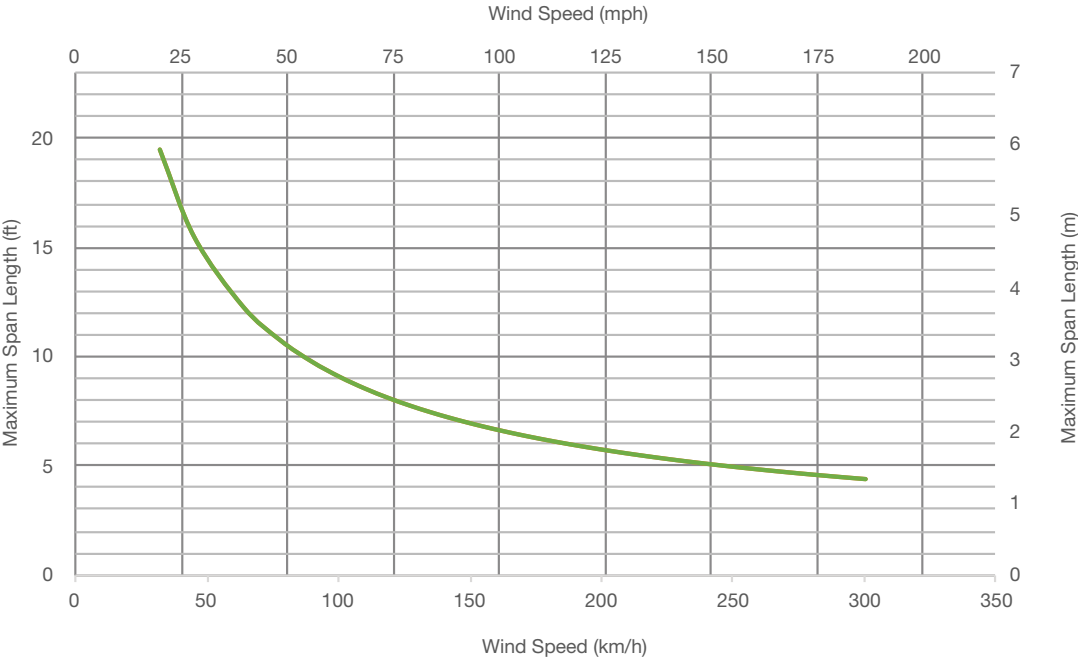
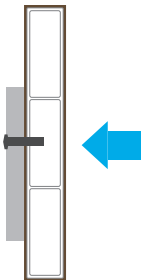


# Soleo 6038

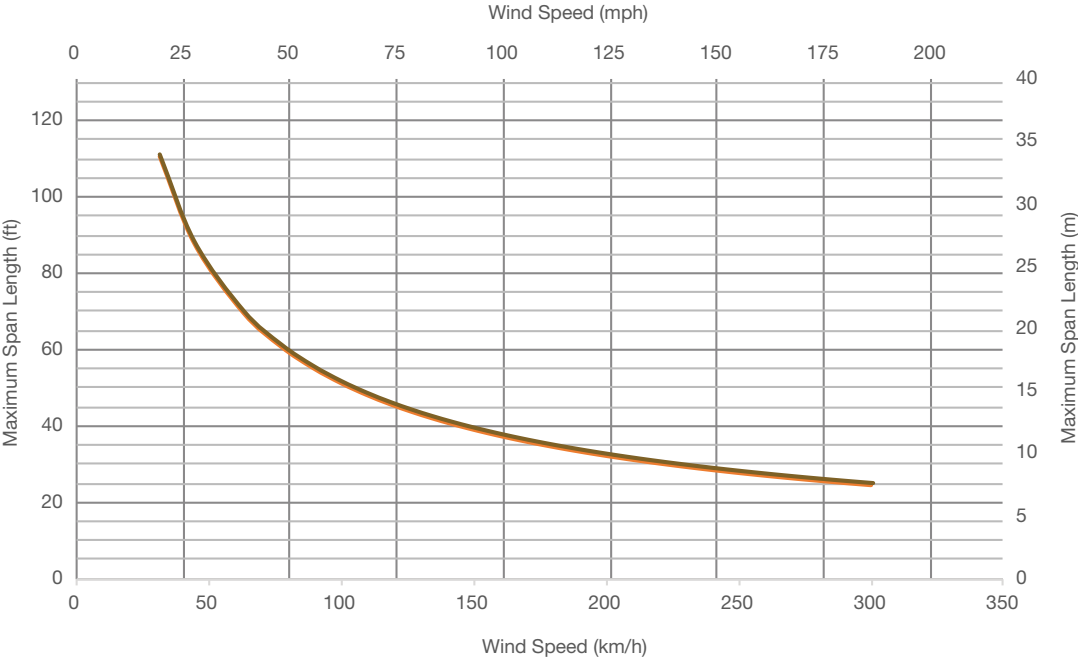
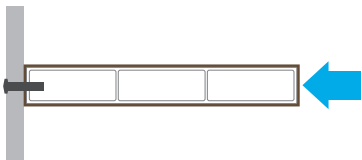


|                    |                                |
|--------------------|--------------------------------|
| Dimensions         | 145 mm x 22 mm / 5 3/4" x 7/8" |
| Weight             | 2.00 kg/ml / 1.34 lb/ft        |
| End Caps           | No                             |
| Splices/Connectors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

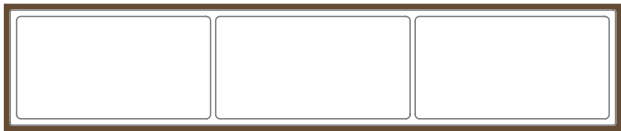
Span length for wind on wide side



Span length for wind on narrow side

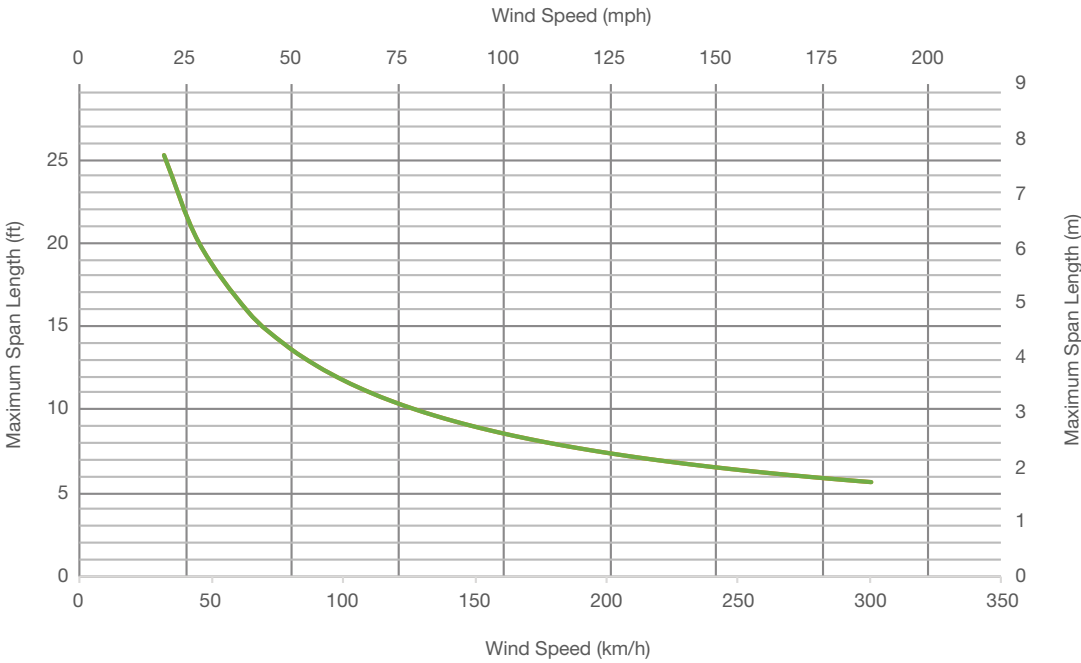
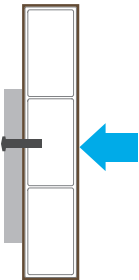


# Soleo 6024

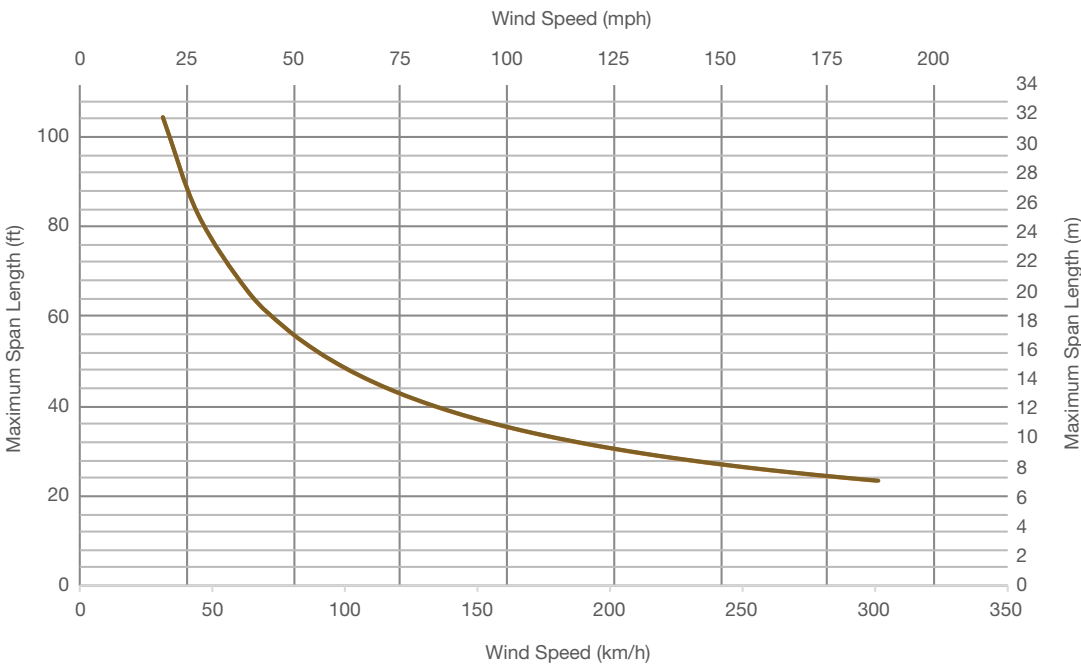
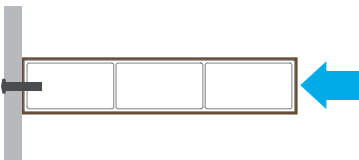


|                    |                                  |
|--------------------|----------------------------------|
| Dimensions         | 145 mm x 30 mm / 5 3/4" x 1 1/4" |
| Weight             | 2.06 kg/ml / 1.38 lb/ft          |
| End Caps           | No                               |
| Splices/Connectors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

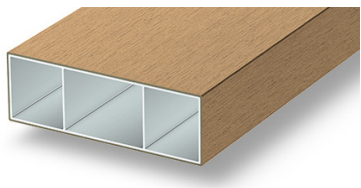
Span length for wind on wide side



Span length for wind on narrow side

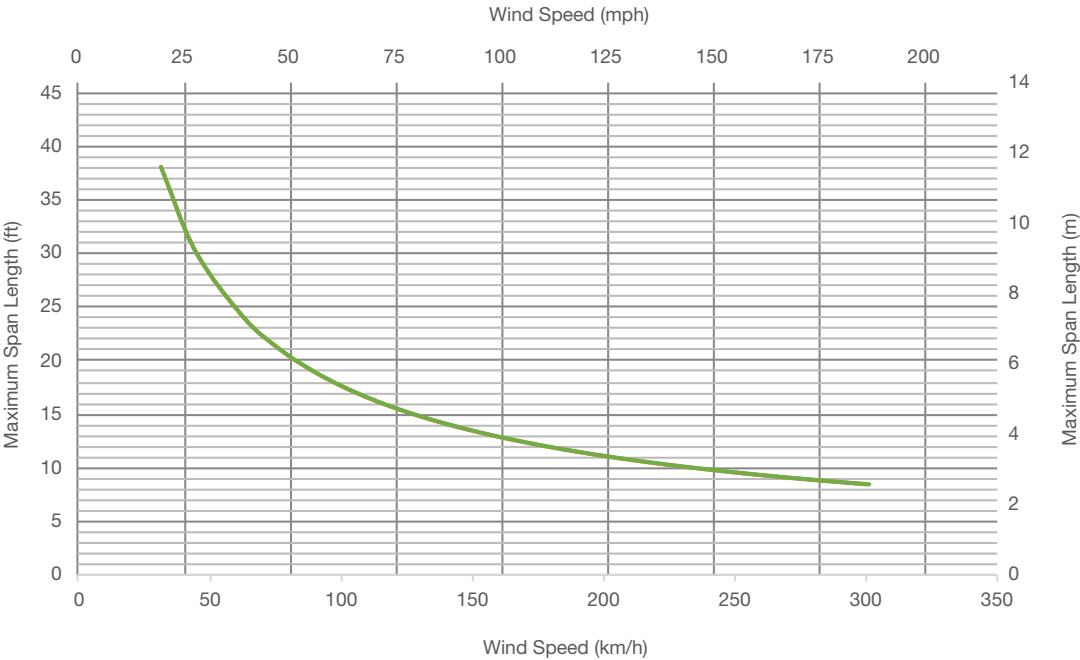
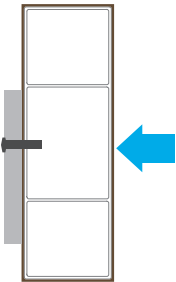


# Soleo 6040

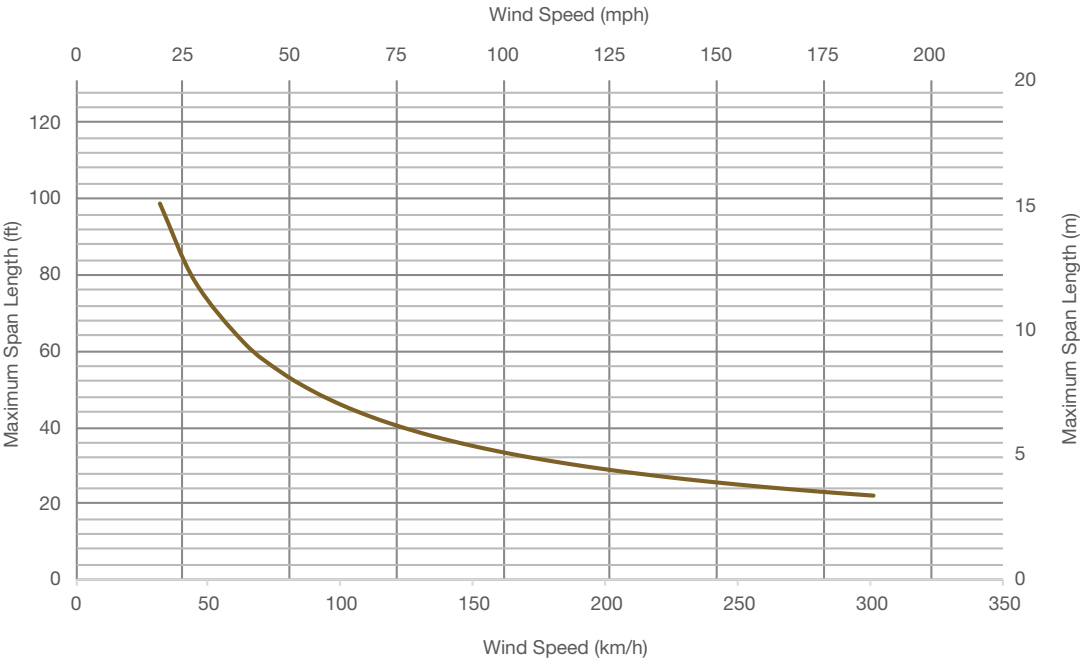
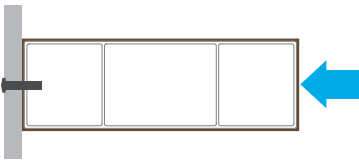


|                    |                          |
|--------------------|--------------------------|
| Dimensions         | 150 mm x 50 mm / 6" x 2" |
| Weight             | 2.40 kg/ml / 1.61 lb/ft  |
| End Caps           | No                       |
| Splices/Connectors | No                       |

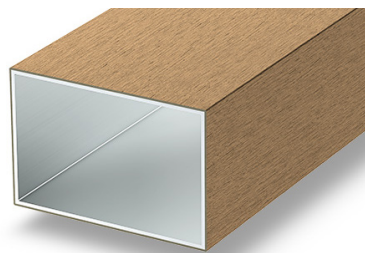
Span length for wind on wide side



Span length for wind on narrow side

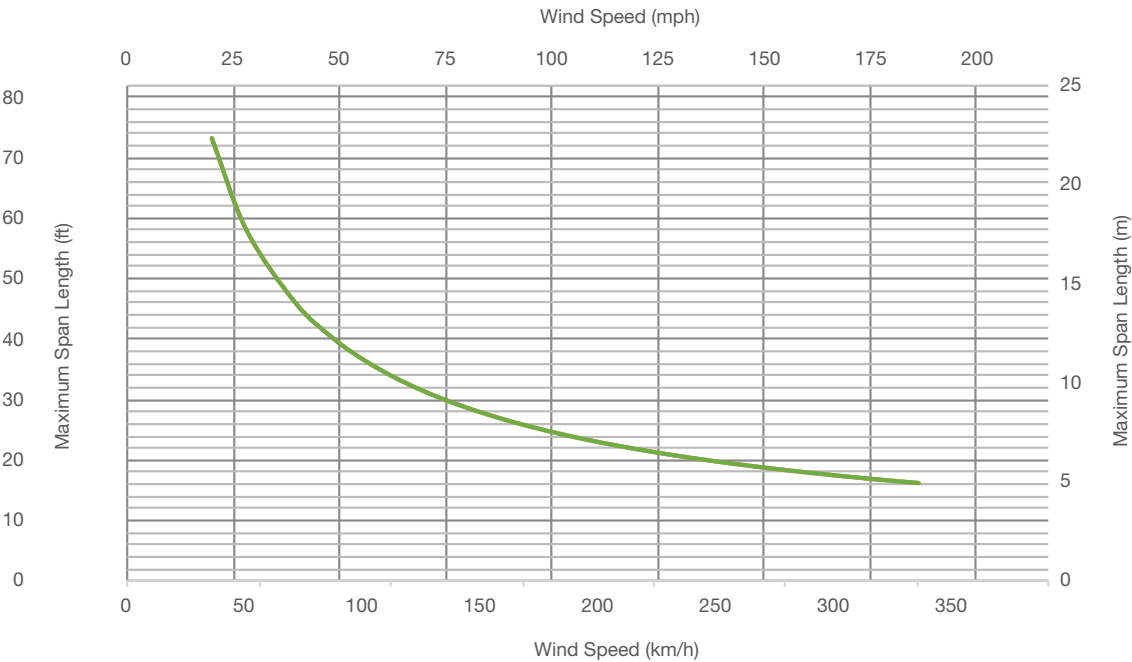
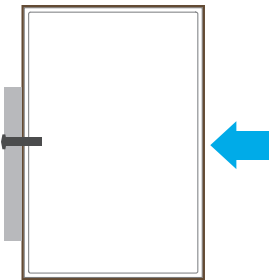


# Soleo 6050

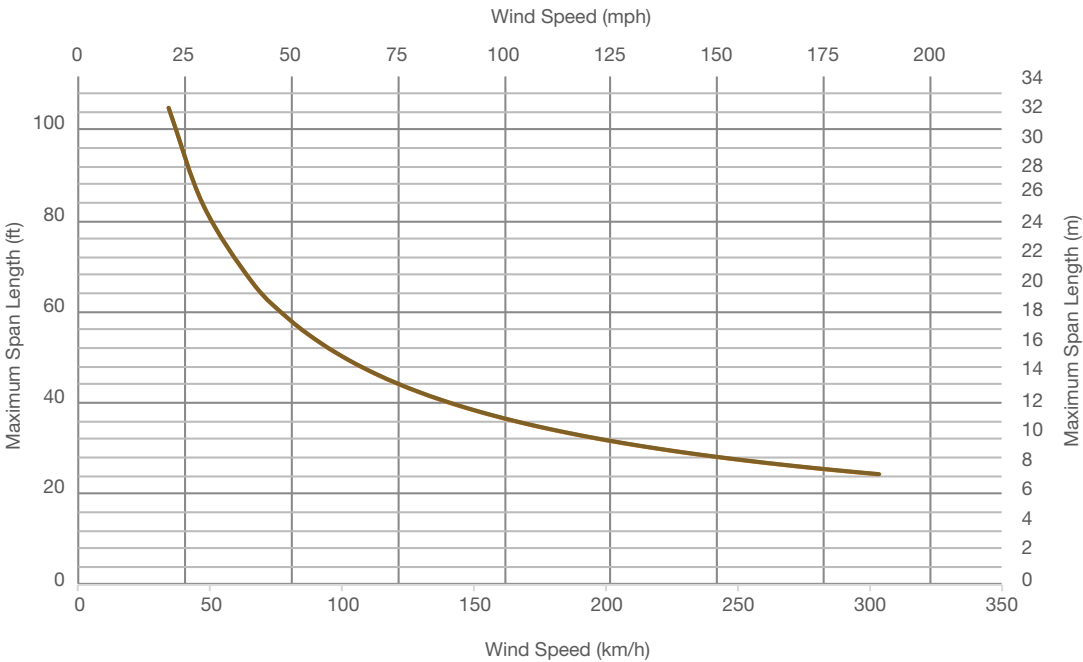


|                    |                           |
|--------------------|---------------------------|
| Dimensions         | 150 mm x 100 mm / 6" x 4" |
| Weight             | 3.90 kg/ml / 2.62 lb/ft   |
| End Caps           | No                        |
| Splices/Connectors | No                    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

Span length for wind on wide side



Span length for wind on narrow side

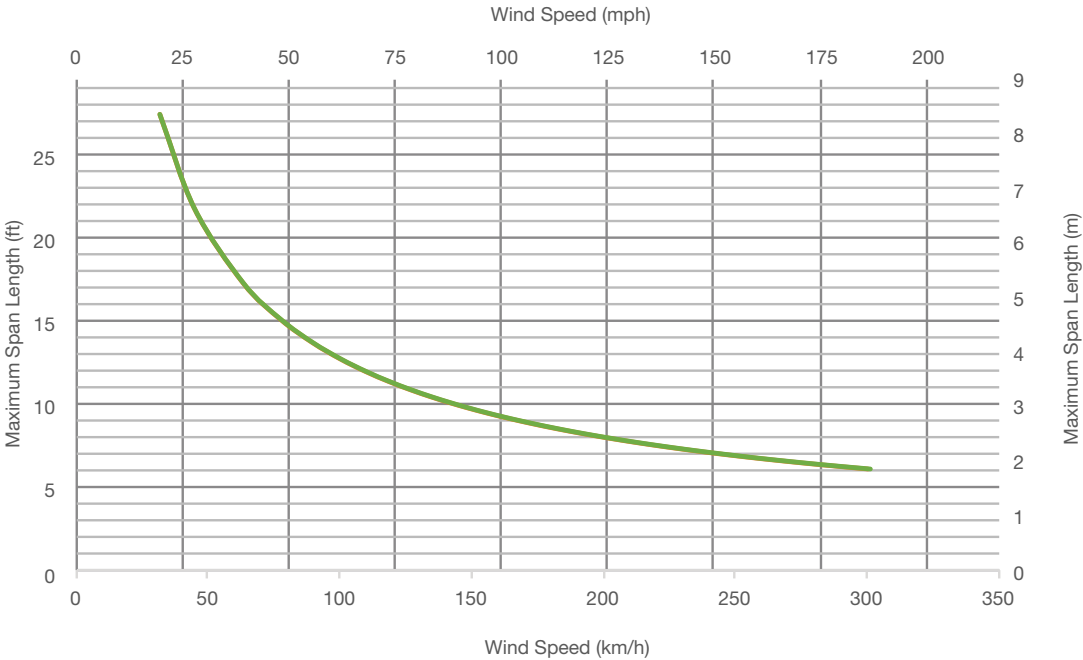
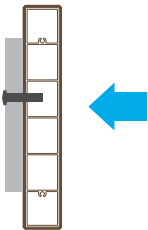


# Soleo 6033

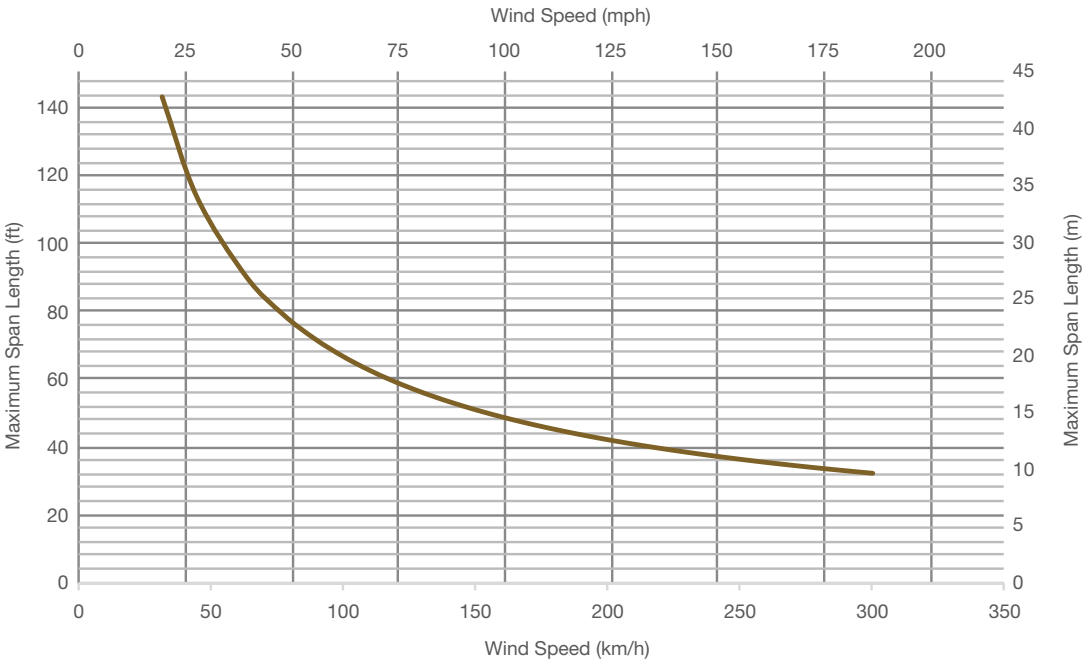
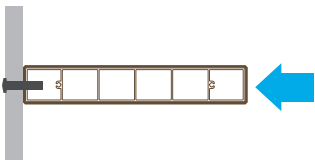


|                    |                                  |
|--------------------|----------------------------------|
| Dimensions         | 200 mm x 35 mm / 7 7/8" x 1 3/8" |
| Weight             | 3.30 kg/ml / 2.22 lb/ft          |
| End Caps           | Yes                              |
| Splices/Connectors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

Span length for wind on wide side



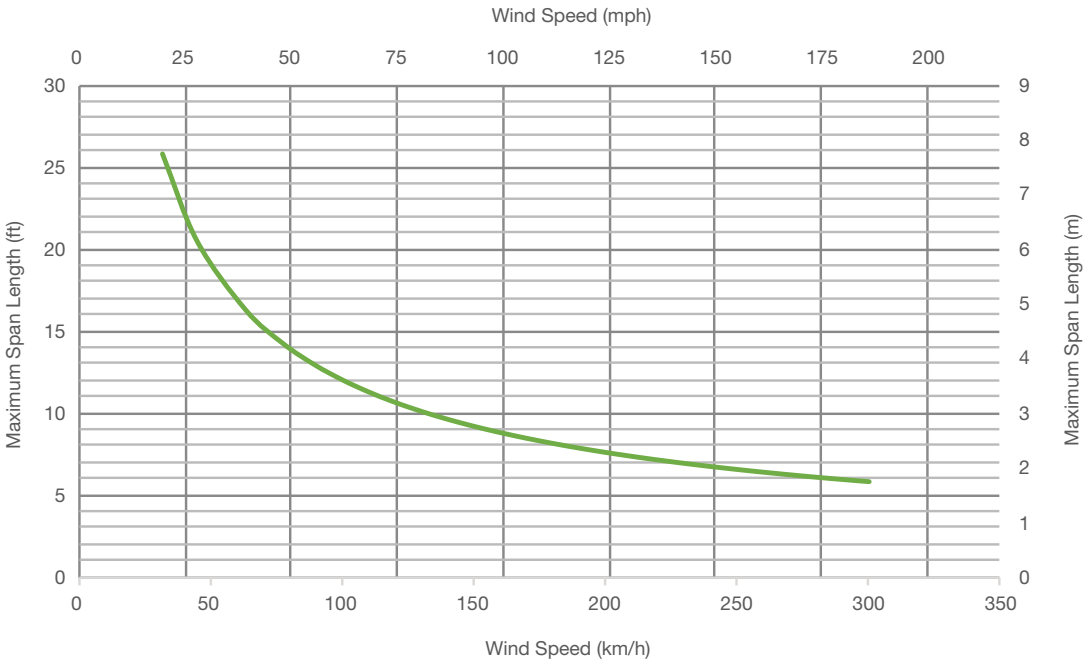
Span length for wind on narrow side



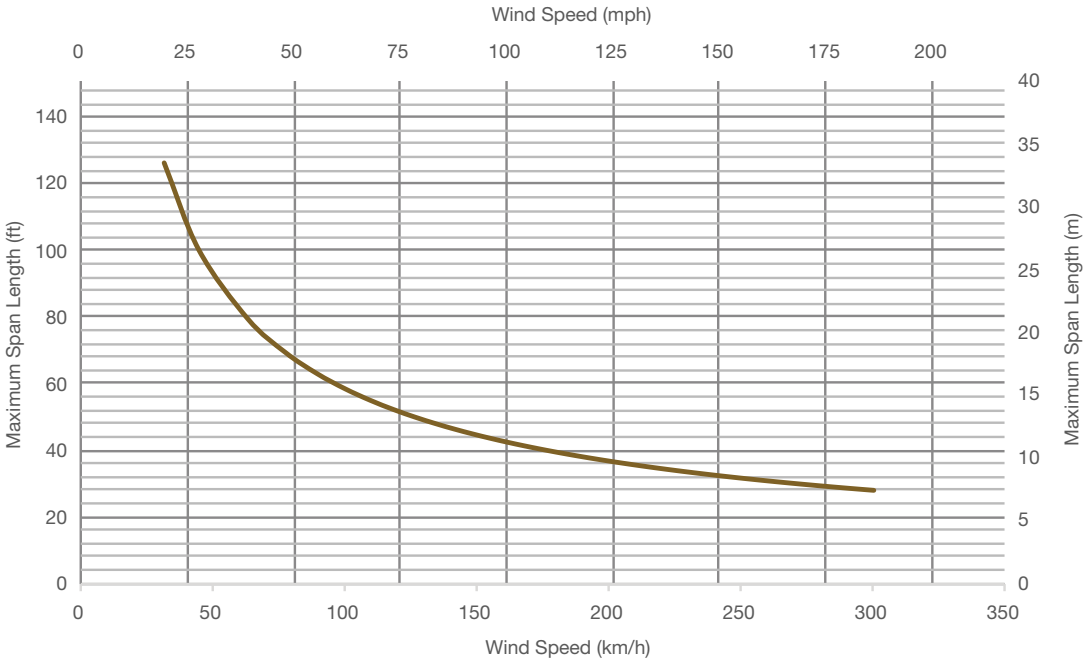
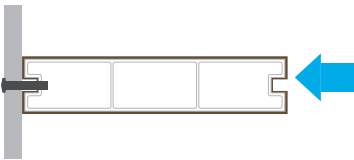
# Planeo 4010



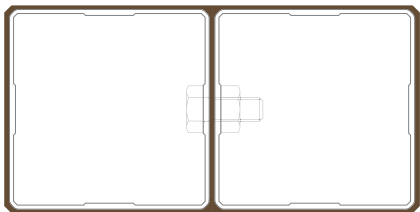
|                    |                                  |
|--------------------|----------------------------------|
| Dimensions         | 145 mm x 30 mm / 5 3/4" x 1 1/4" |
| Weight             | 2.21 kg/ml / 1.49 lb/ft          |
| End Caps           | No                               |
| Splices/Connectors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



Span length for wind on narrow side



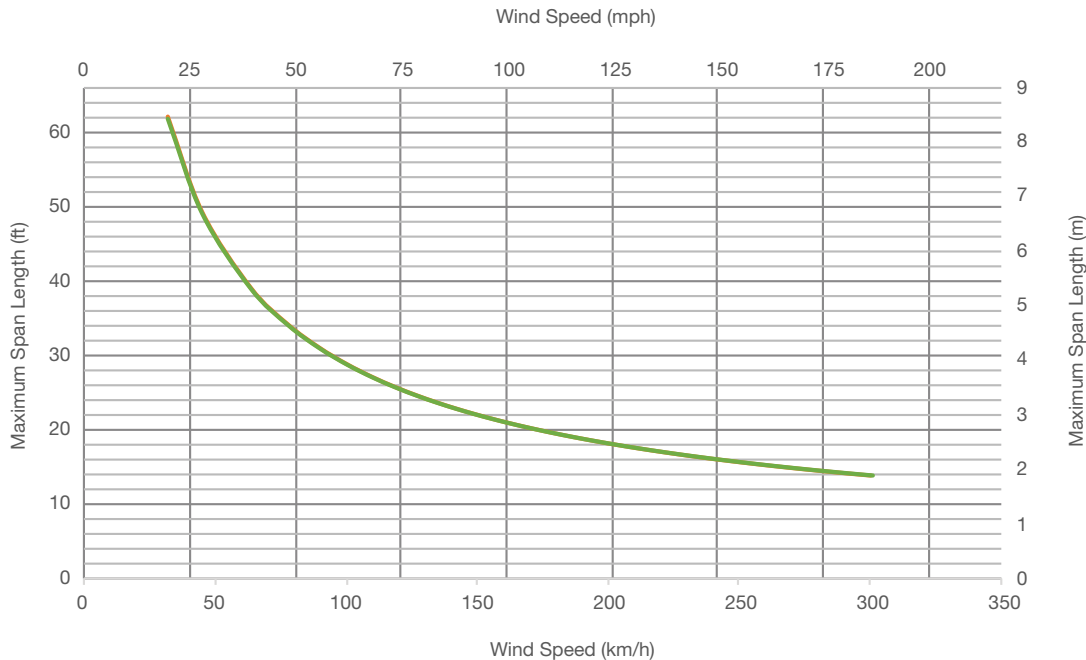
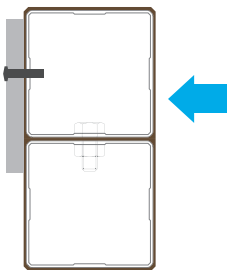
# Planeo 4044



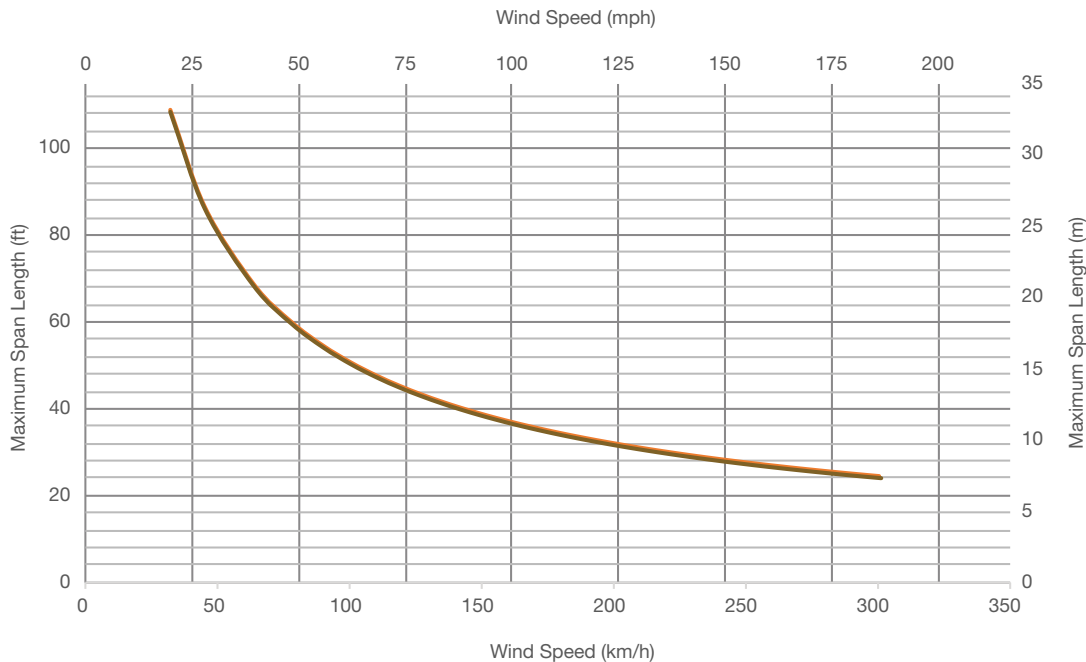
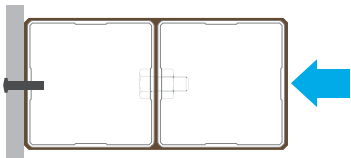
|                    |                                  |
|--------------------|----------------------------------|
| Dimensions         | 174 mm x 87 mm / 6 7/8" x 3 3/8" |
| Weight             | 4.52 kg/ml / 3.04 lb/ft          |
| End Caps           | No                               |
| Splices/Connectors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

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

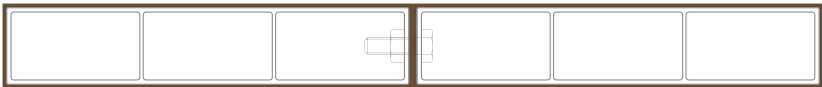
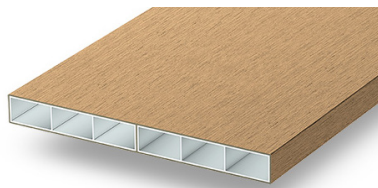
## Span length for wind on wide side



## Span length for wind on narrow side



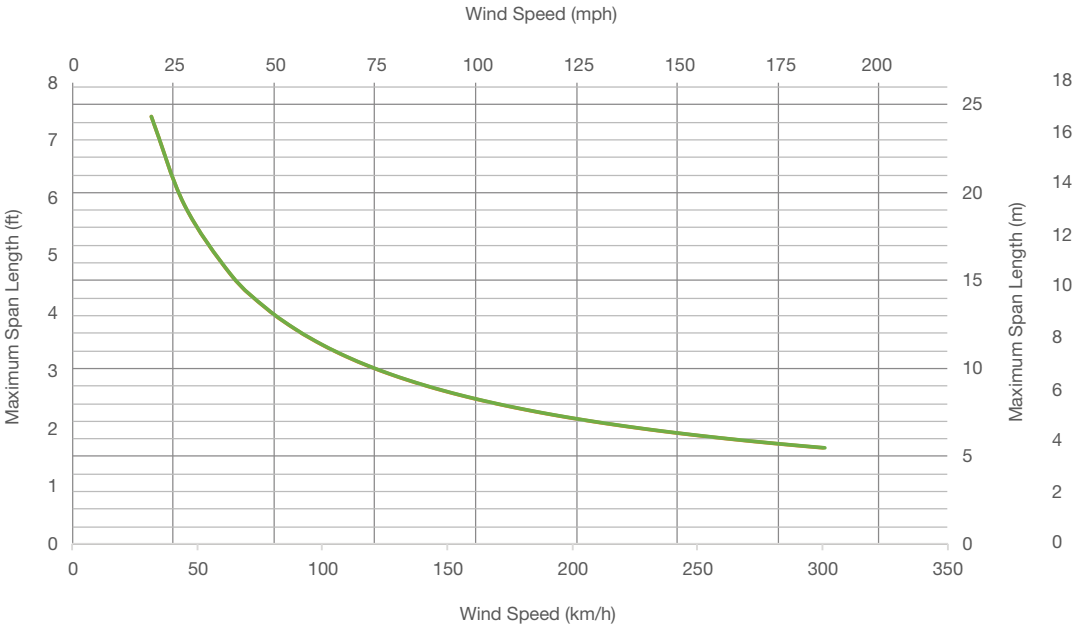
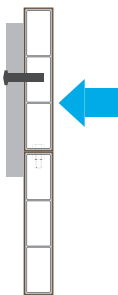
# Planeo 4123



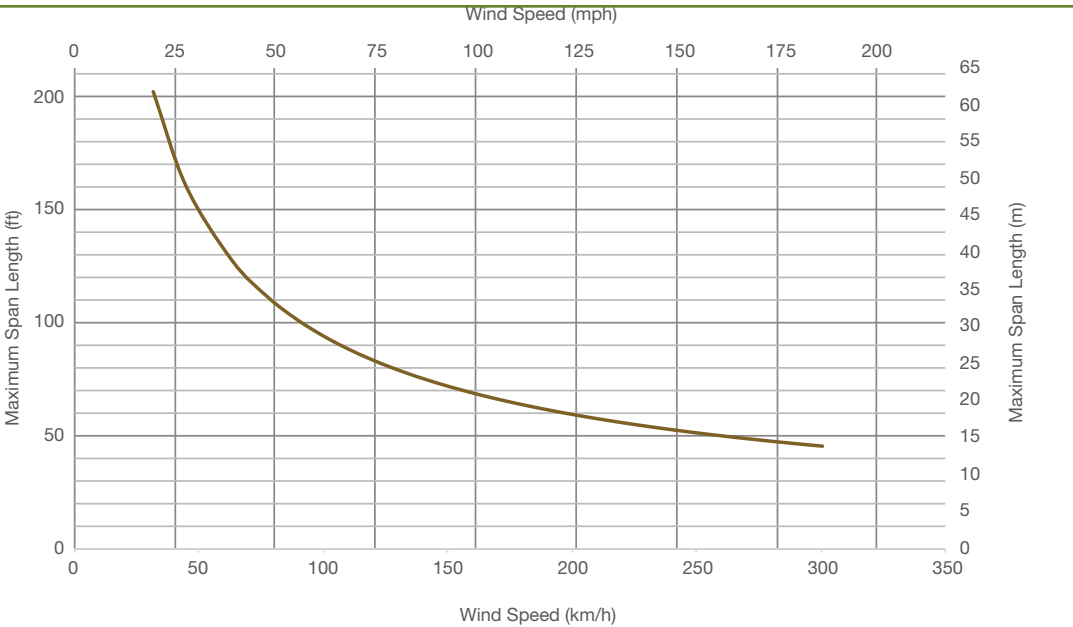
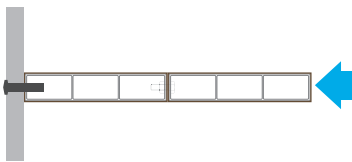
|                    |                                   |
|--------------------|-----------------------------------|
| Dimensions         | 290 mm x 30 mm / 11 3/8" x 1 1/4" |
| Weight             | 3.74 kg/ml / 2.51 lb/ft           |
| End Caps           | No                                |
| Splices/Connectors | 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

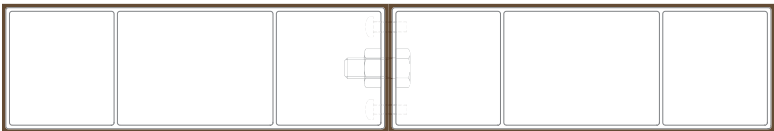
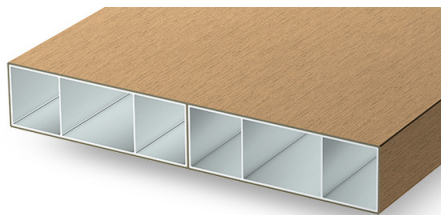


Span length for wind on narrow side





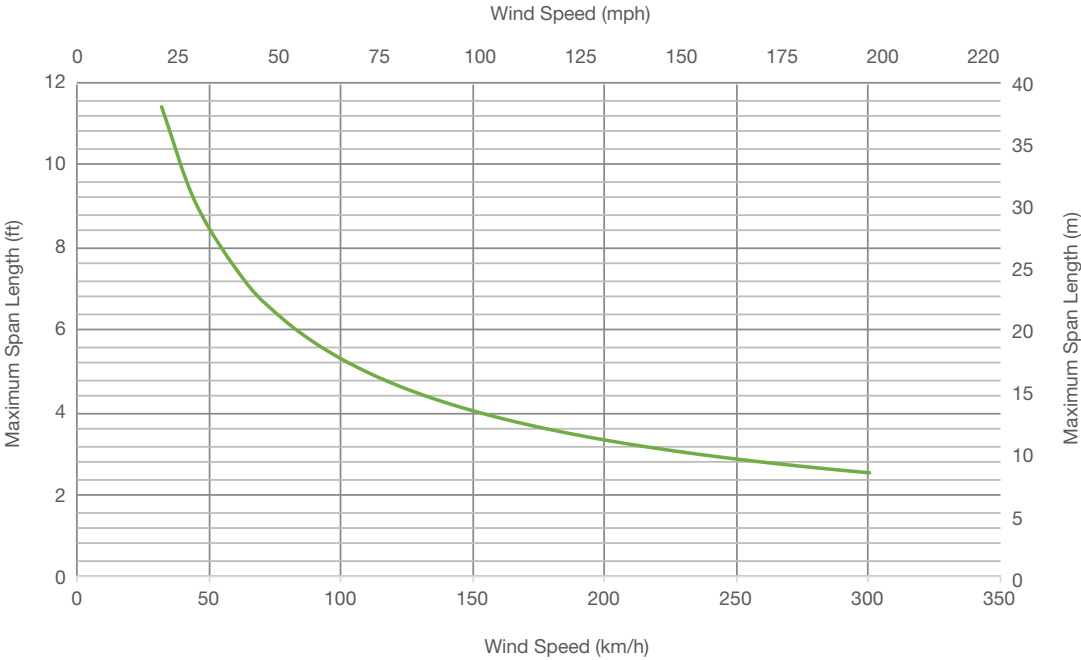
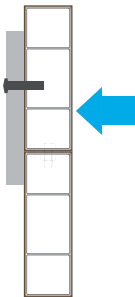
# Planeo 4048



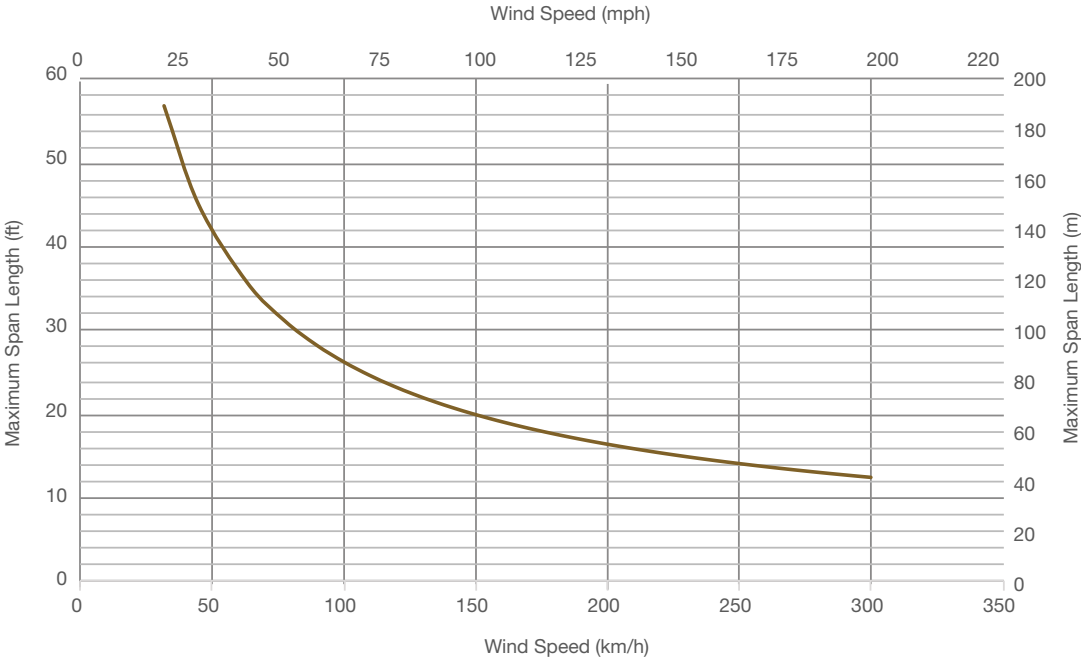
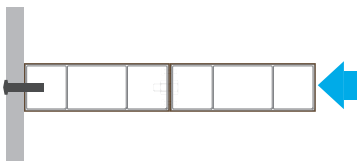
|                    |                               |
|--------------------|-------------------------------|
| Dimensions         | 300 mm x 50 mm / 11 3/4" x 2" |
| Weight             | 4.80 kg/ml / 3.23 lb/ft       |
| End Caps           | No                            |
| Splices/Connectors | No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

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

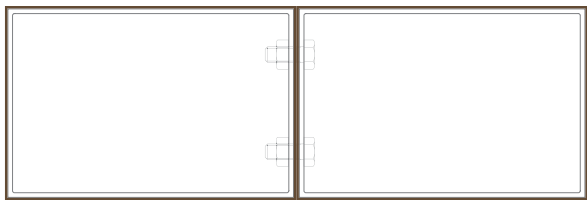
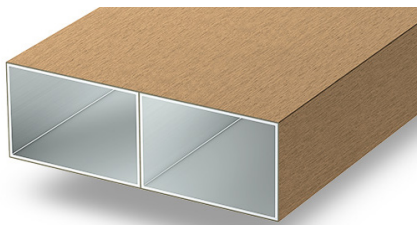
Span length for wind on wide side



Span length for wind on narrow side



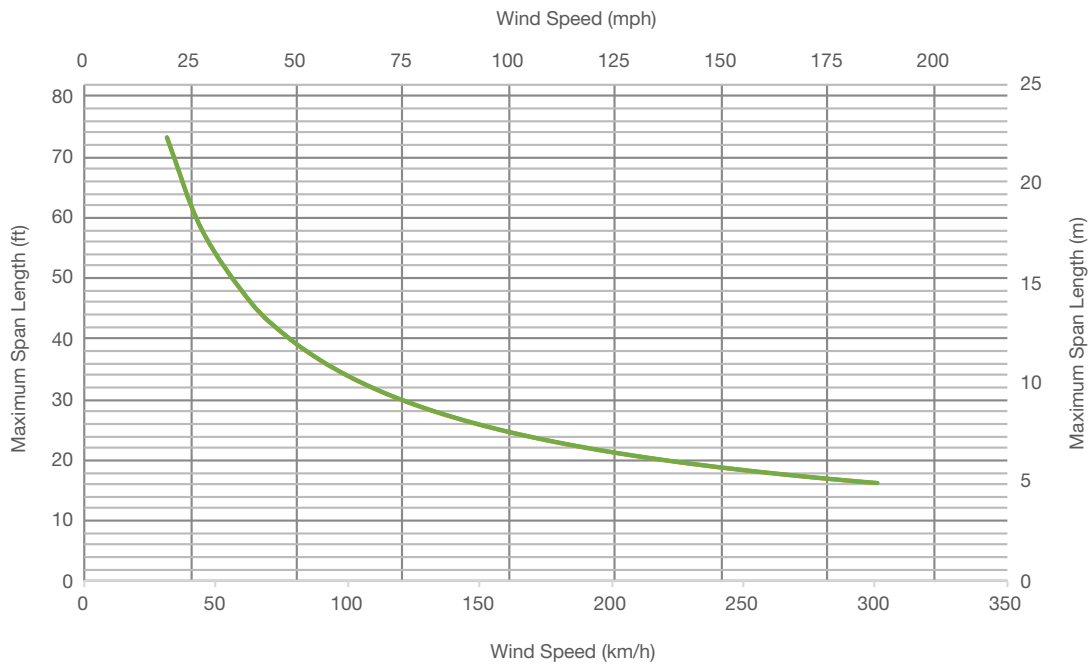
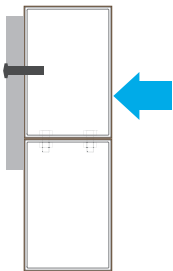
# Planeo 4061



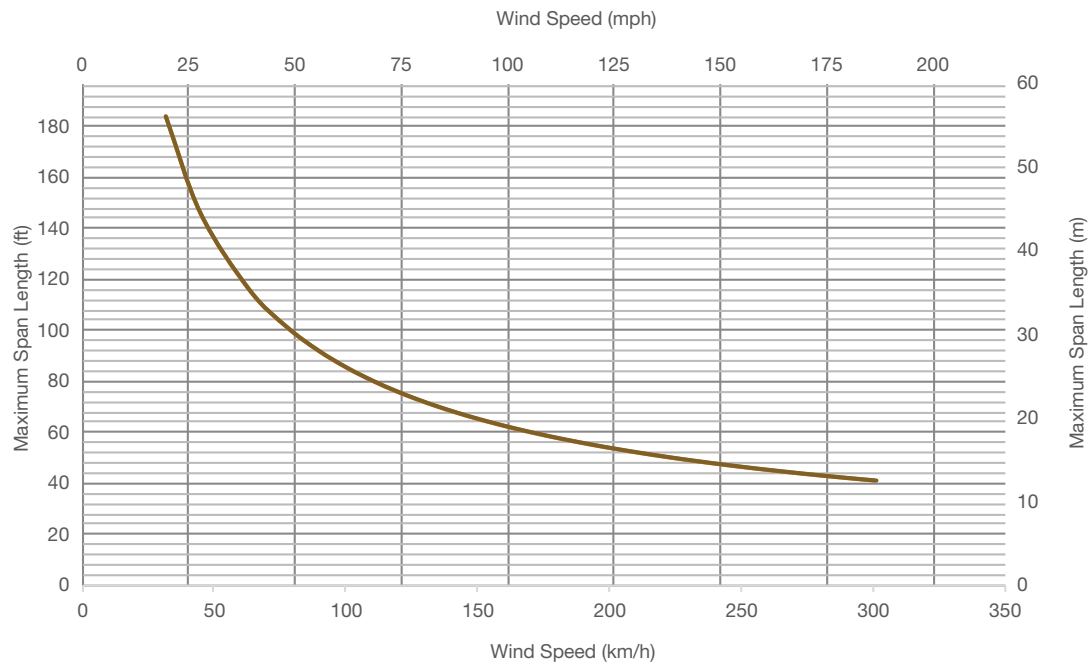
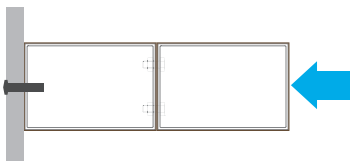
|                    |                                |
|--------------------|--------------------------------|
| Dimensions         | 300 mm x 100 mm / 11 3/4" x 4" |
| Weight             | 9.50 kg/ml / 6.38 lb/ft        |
| End Caps           | No                             |
| Splices/Connectors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

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

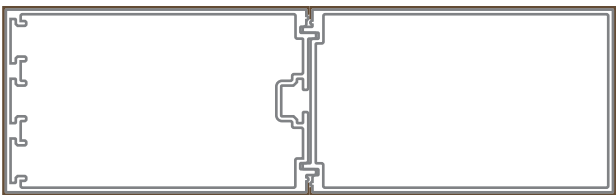
Span length for wind on wide side



Span length for wind on narrow side



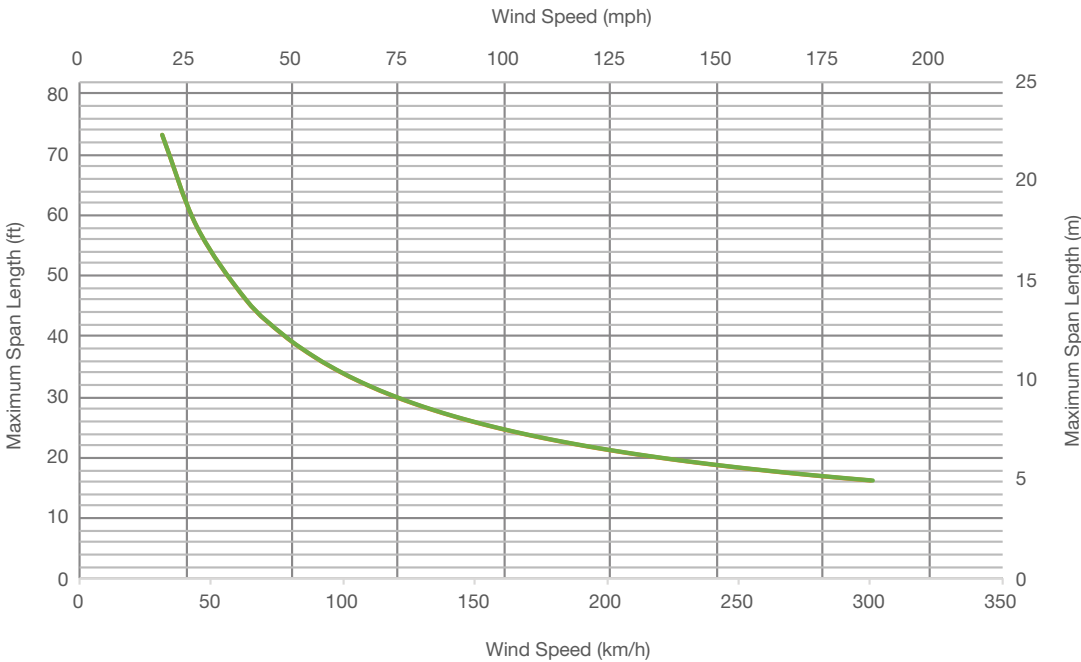
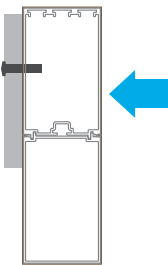
# Planeo 4046



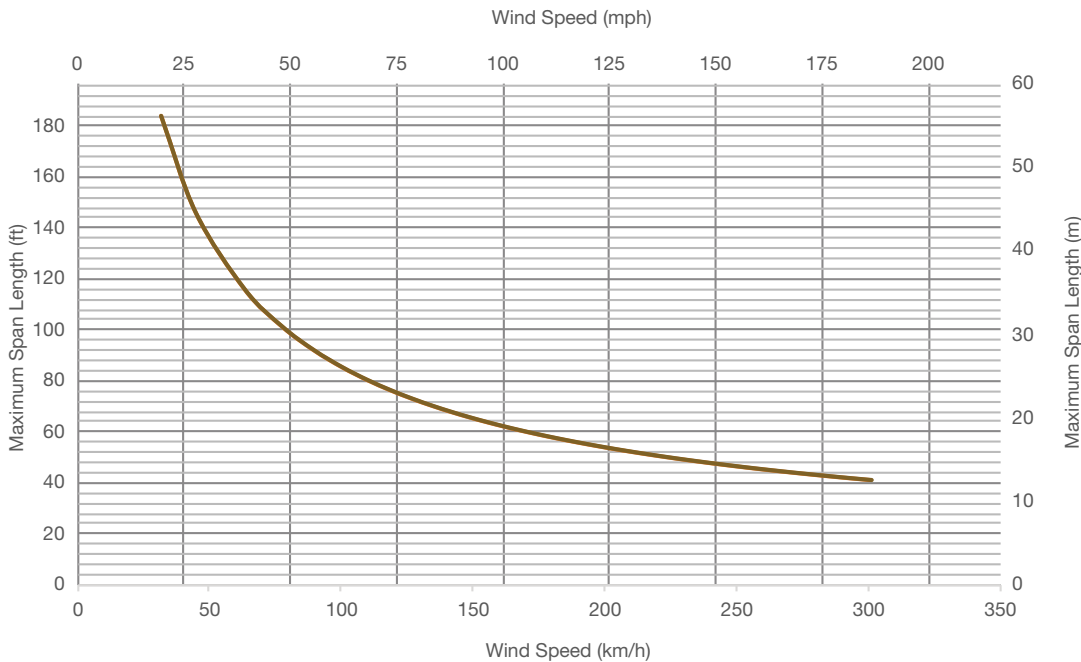
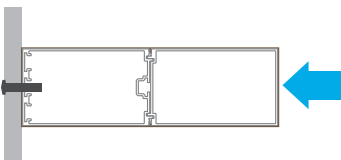
|                    |                                    |
|--------------------|------------------------------------|
| Dimensions         | 350 mm x 110 mm / 13 3/4" x 4 1/4" |
| Weight             | 9.90 kg/ml / 6.65 lb/ft            |
| End Caps           | No                                 |
|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



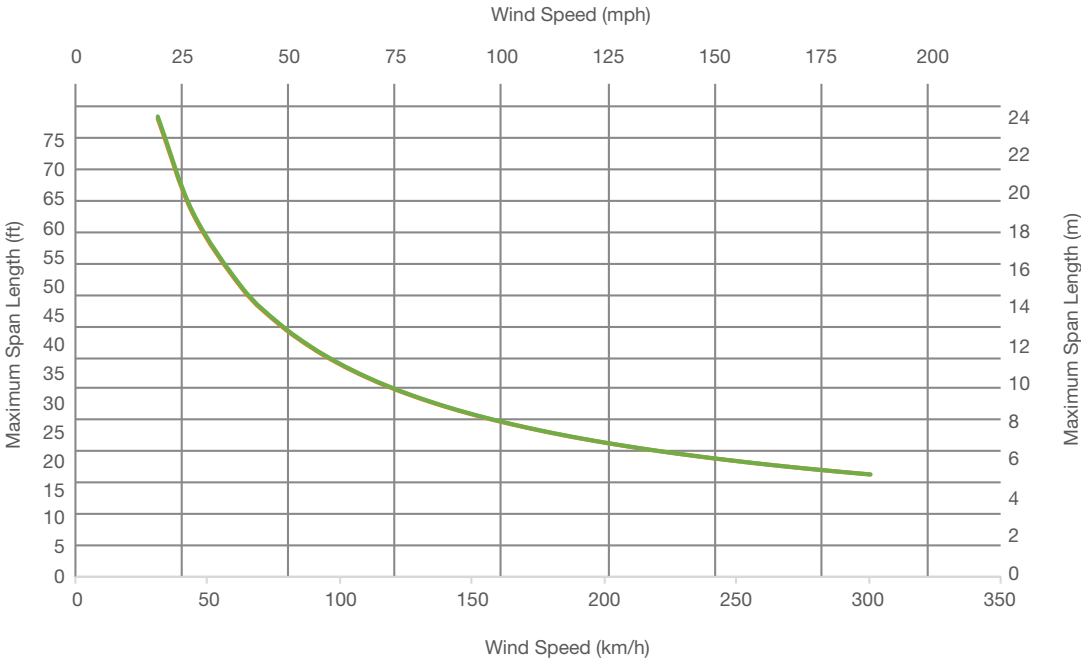
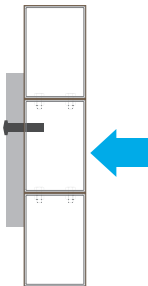
# Planeo 4062



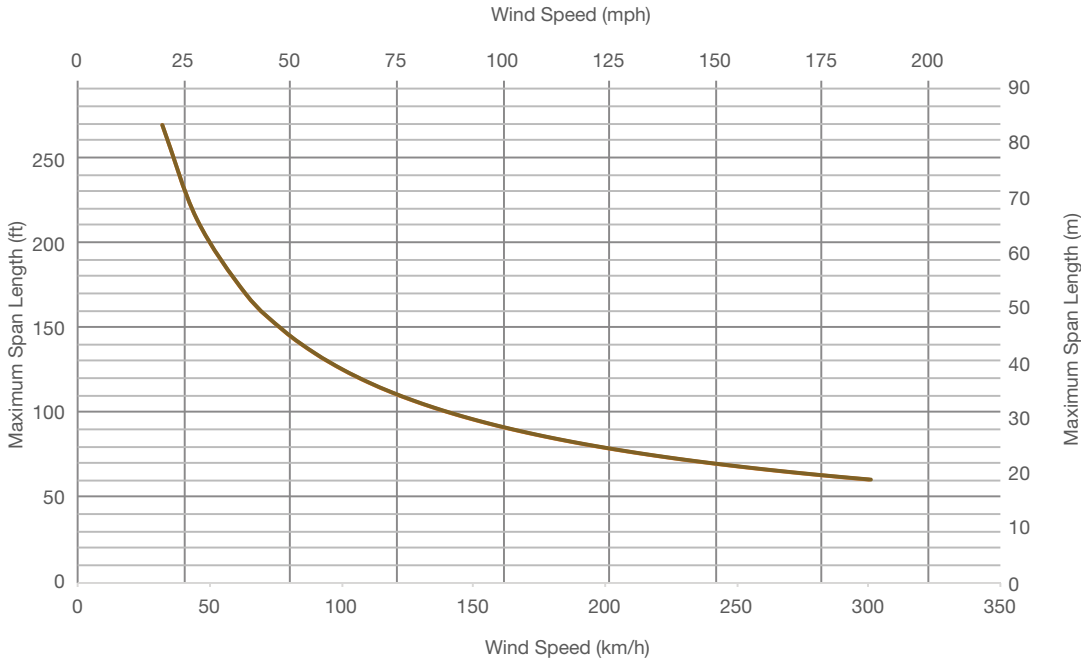
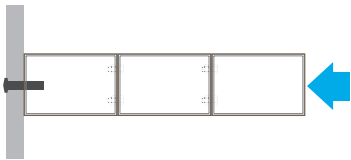
|                    |                                |
|--------------------|--------------------------------|
| Dimensions         | 450 mm x 100 mm / 17 3/4" x 4" |
| Weight             | 14.25 kg/ml / 9.58 lb/ft       |
| End Caps           | No                             |
| Splices/Connectors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

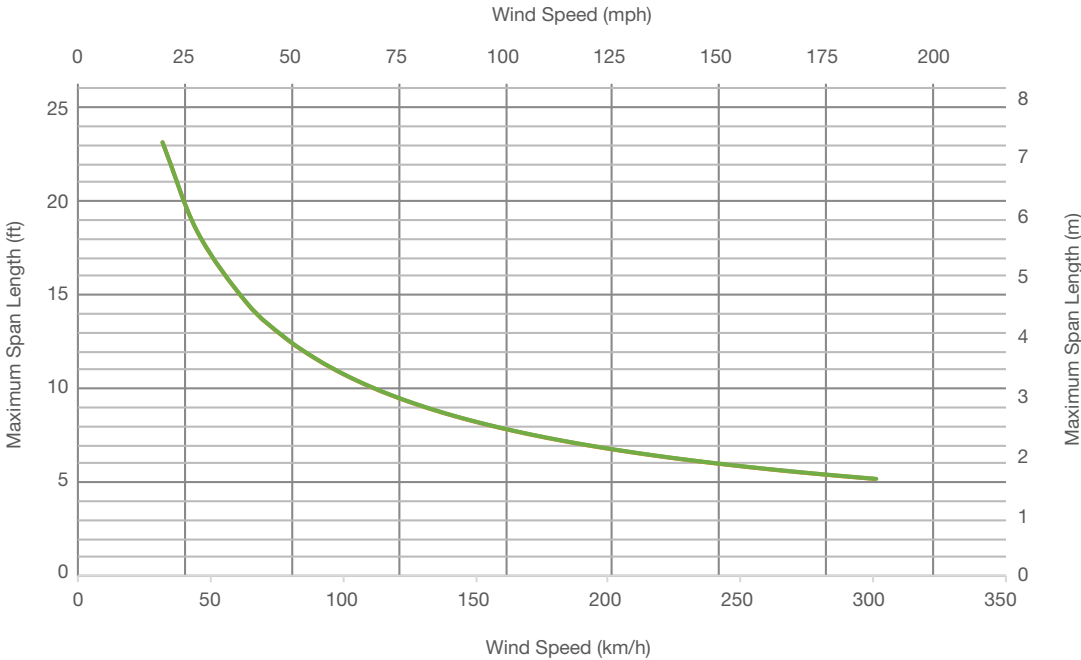
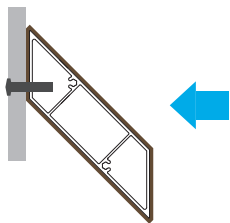


# Diameo 2018

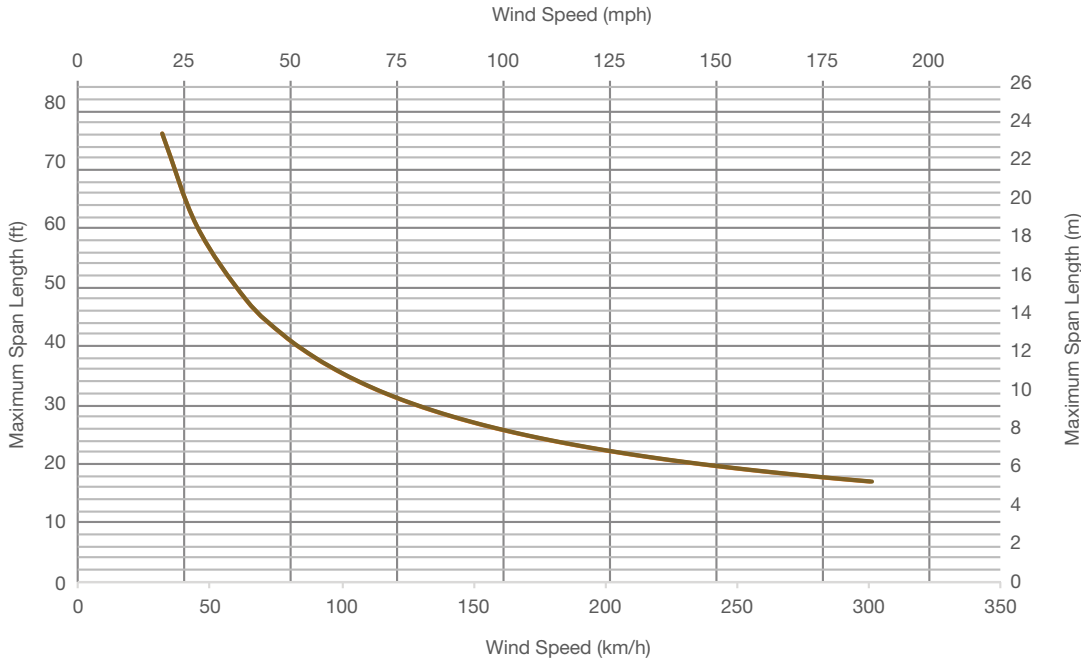
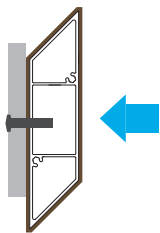


|                    |                                  |
|--------------------|----------------------------------|
| Dimensions         | 120 mm x 30 mm / 4 3/4" x 1 1/4" |
| Weight             | 1.42 kg/ml / 0.95 lb/ft          |
| End Caps           | Yes                              |
| Splices/Connectors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

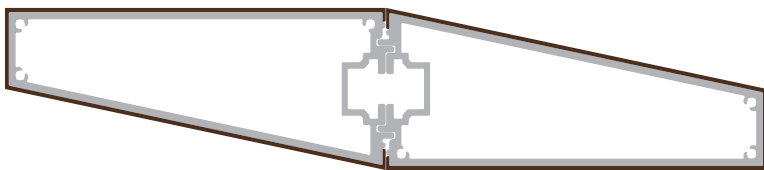
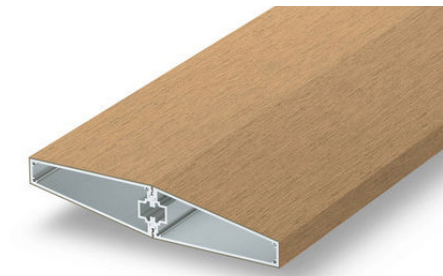
## Span length for wind on wide side



## Span length for wind on narrow side

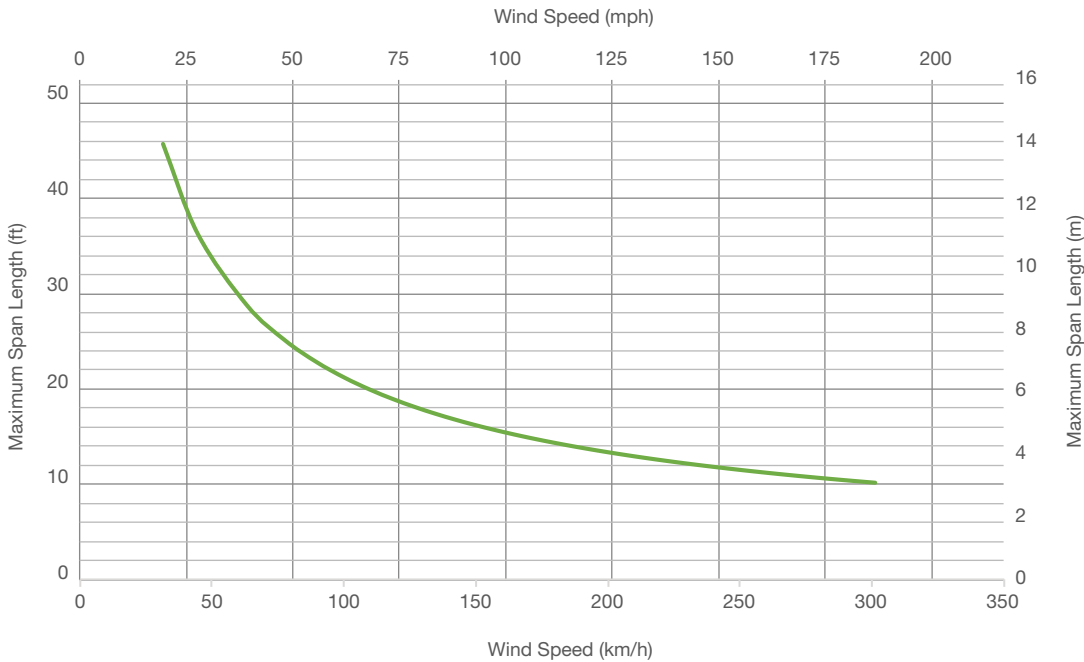
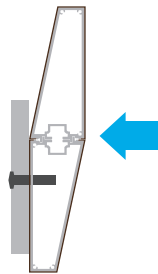


# Diameo 2023

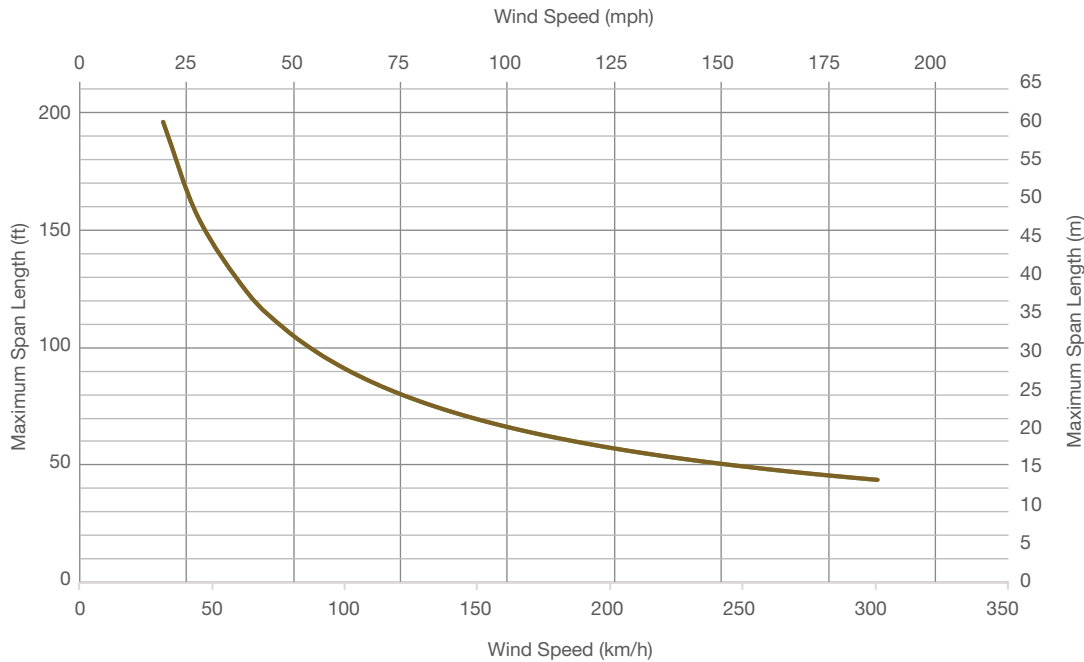
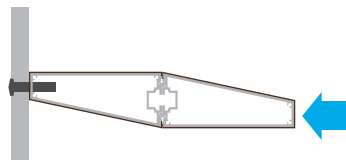


|                    |                                   |
|--------------------|-----------------------------------|
| Dimensions         | 60 mm x 300 mm / 11 3/4" x 2 3/8" |
| Weight             | 7.43 kg/ml / 4.99 lb/ft           |
| End Caps           | No                                |
| Splices/Connectors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

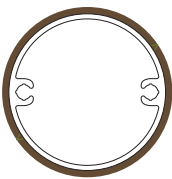
Span length for wind on wide side



Span length for wind on narrow side

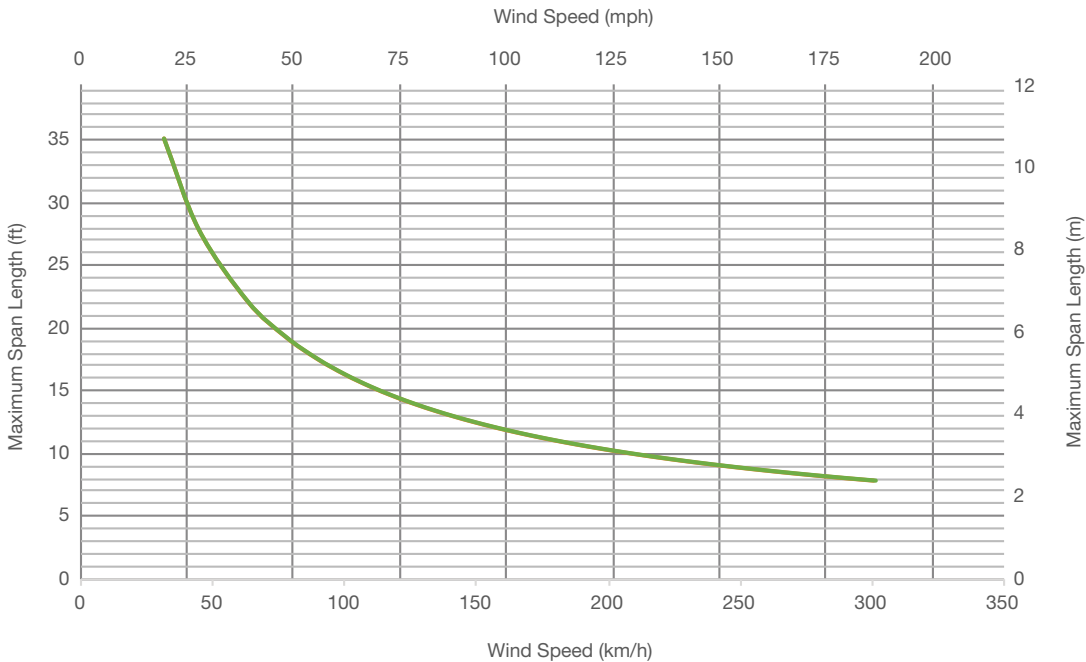
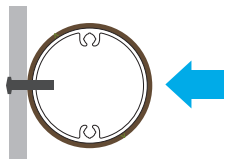


# Rondo 3002

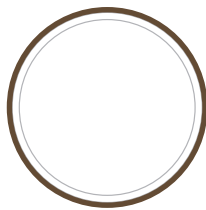


|                    |                              |
|--------------------|------------------------------|
| Dimensions         | Diameter 50 mm / Diameter 2" |
| Weight             | 0.95 kg/ml / 0.64 lb/ft      |
| End Caps           | No                           |
| Splices/Connectors | No                           |

## Span length for wind

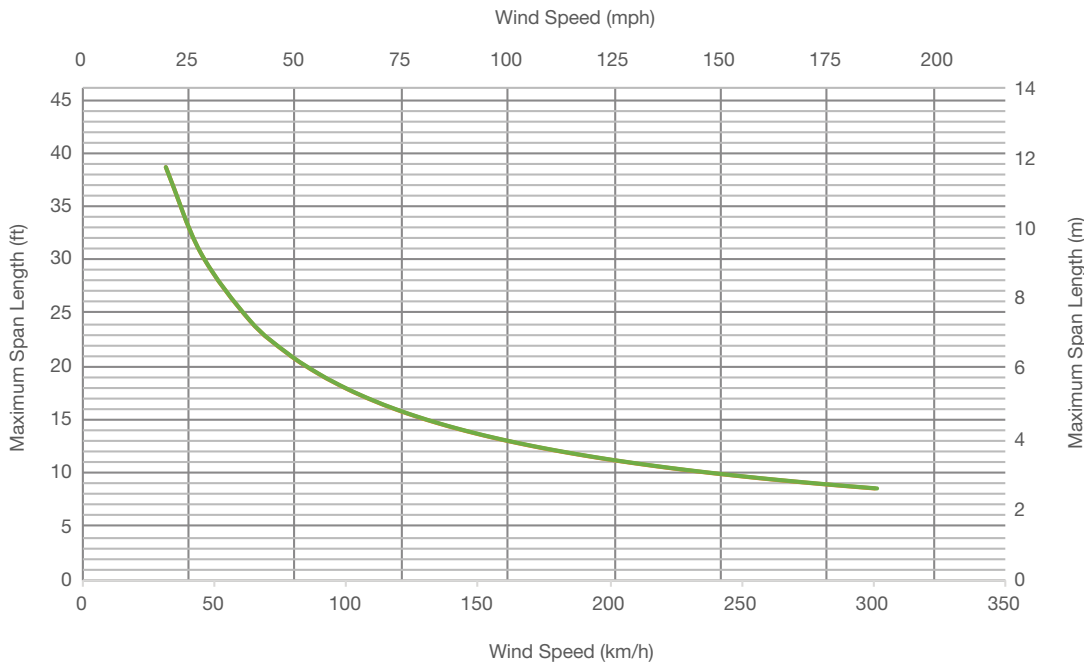
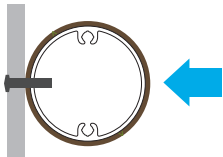


# Rondo 3003



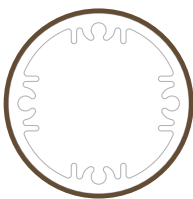
|                    |                                  |
|--------------------|----------------------------------|
| Dimensions         | Diameter 56 mm / Diameter 2 1/4" |
| Weight             | 1.14 kg/ml / 0.77 lb/ft          |
| End Caps           | No                               |
| Splices/Connectors | No                               |

## Span length for wind



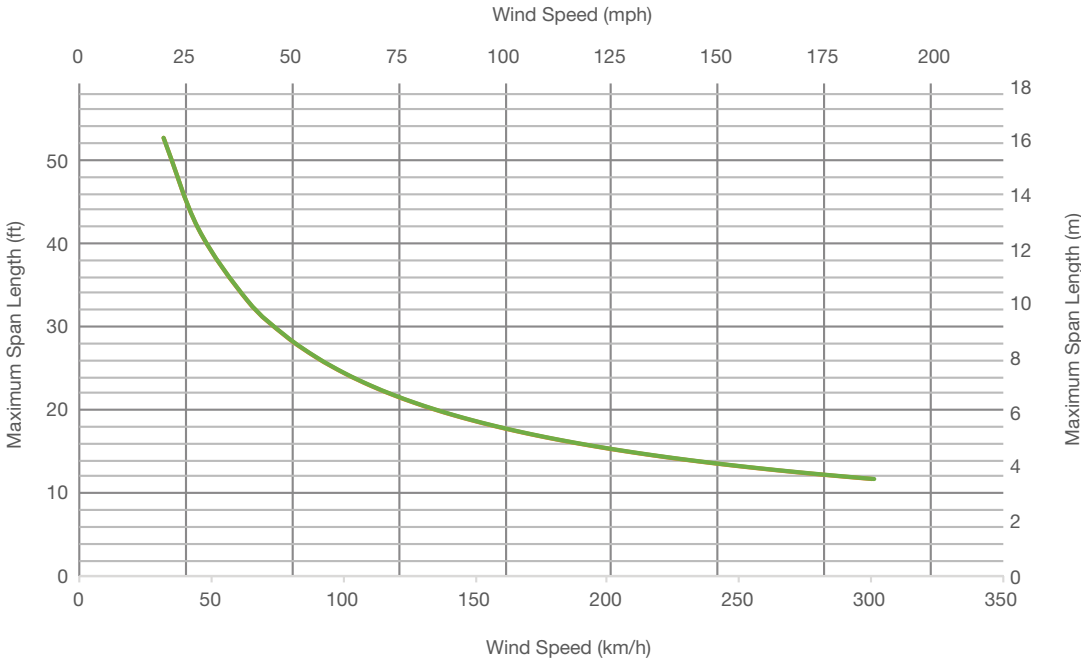
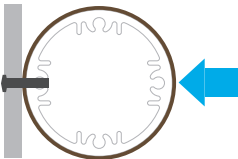


# Rondo 3004

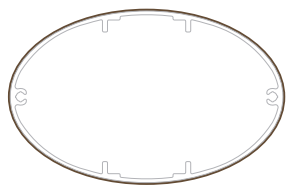


|                    |                                  |
|--------------------|----------------------------------|
| Dimensions         | Diameter 63 mm / Diameter 2 1/2" |
| Weight             | 2.47 kg/ml / 1.66 lb/ft          |
| End Caps           | No                               |
| Splices/Connectors | No                               |

## Span length for wind

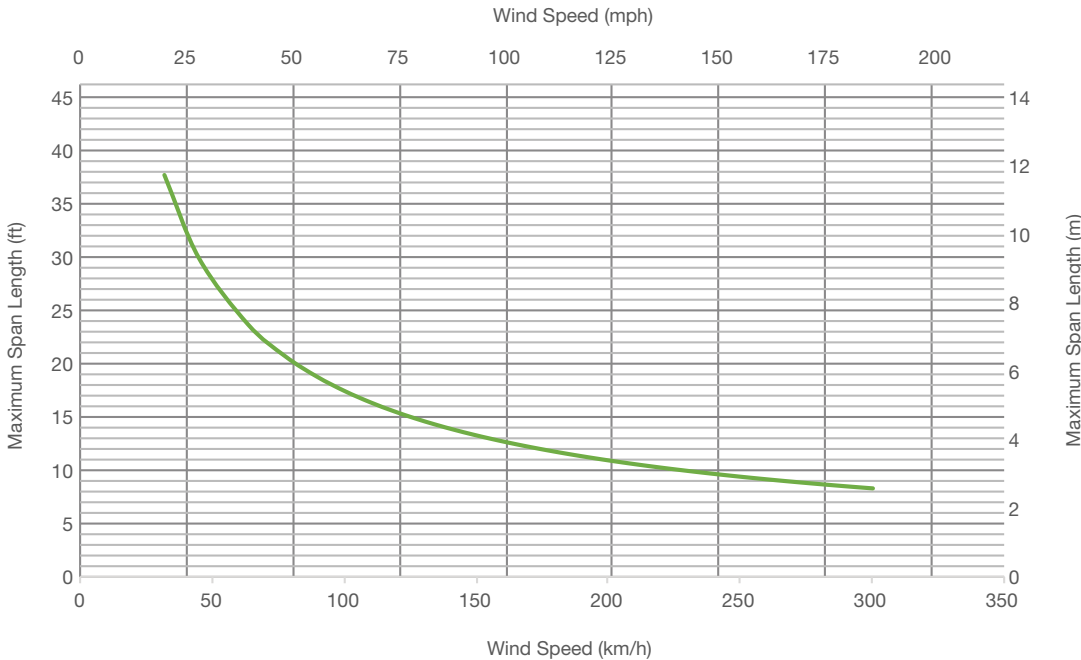
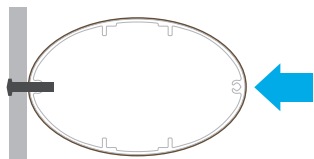


# Rondo 3006

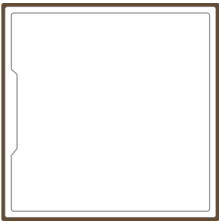
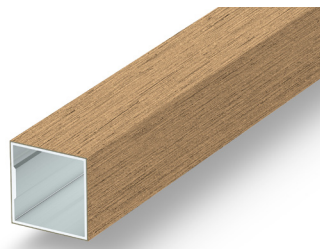


|                    |                                  |
|--------------------|----------------------------------|
| Dimensions         | 110 mm x 70 mm / 4 1/2" x 2 3/4" |
| Weight             | 1.72 kg/ml / 1.16 lb/ft          |
| End Caps           | No                               |
| Splices/Connectors | No                               |

## Span length for wind

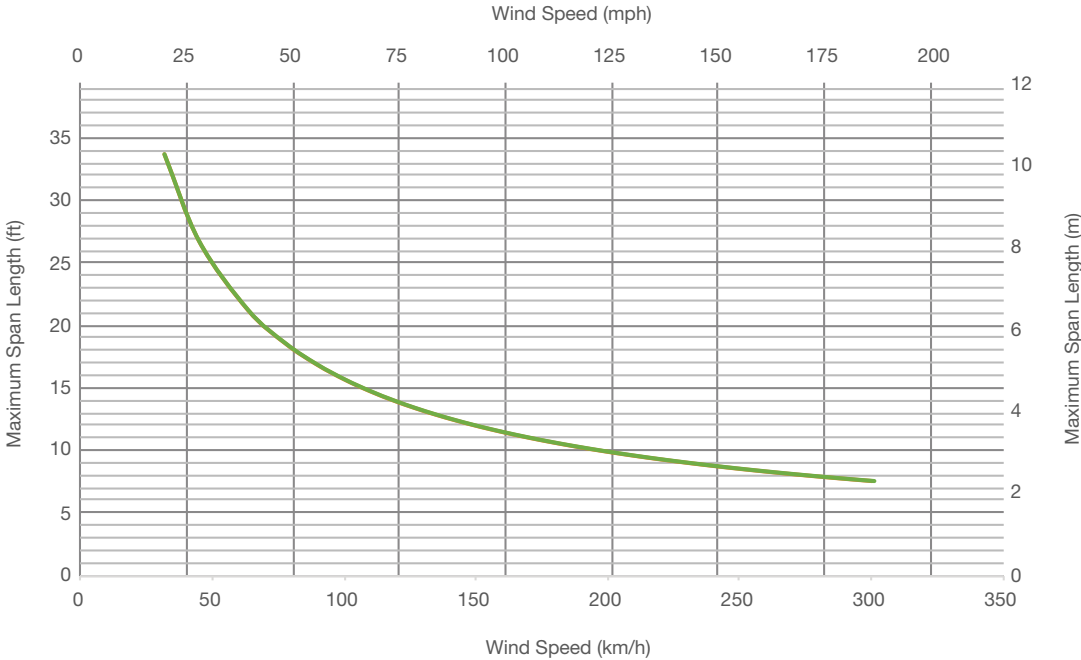
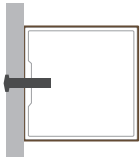


# Careo 7010

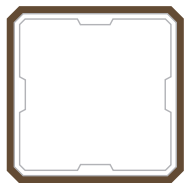


|                    |                                 |
|--------------------|---------------------------------|
| Dimensions         | 44 mm x 44 mm / 1 3/4" x 1 3/4" |
| Weight             | 0.74 kg/ml / 0.50 lb/ft         |
| End Caps           | No                              |
| Splices/Connectors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

## Span length for wind

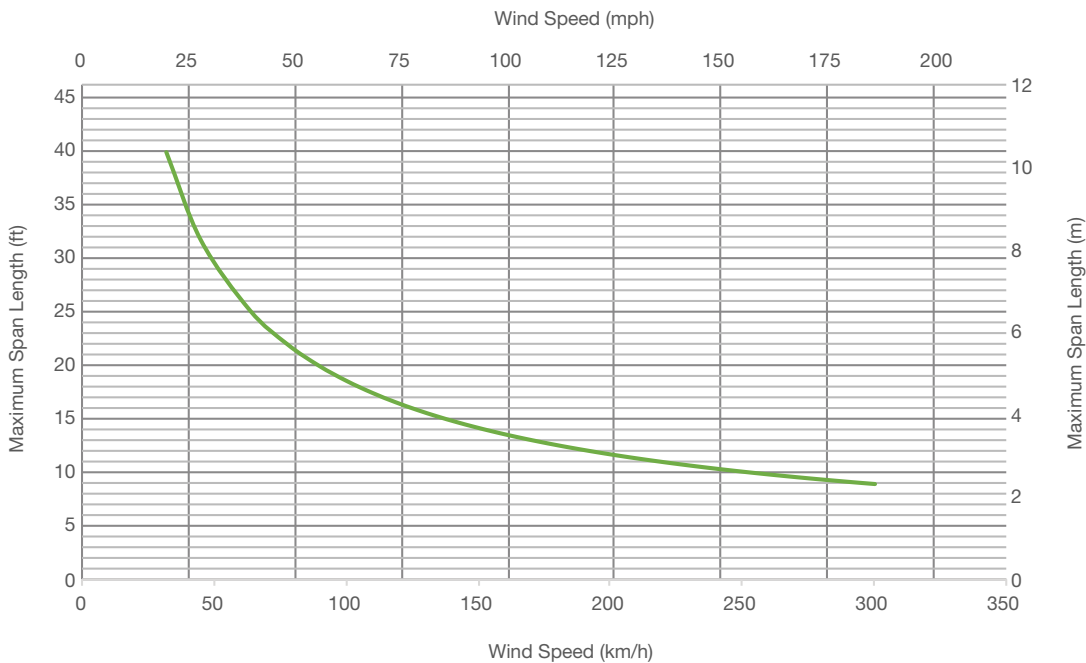
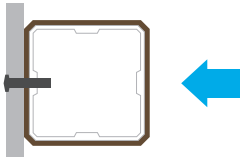


# Careo 7031

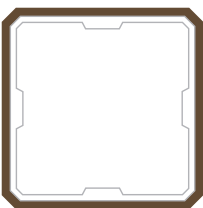


|                    |                                 |
|--------------------|---------------------------------|
| Dimensions         | 45 mm x 45 mm / 1 3/4" x 1 3/4" |
| Weight             | 0.82 kg/ml / 0.55 lb/ft         |
| End Caps           | No                              |
| Splices/Connectors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

## Span length for wind

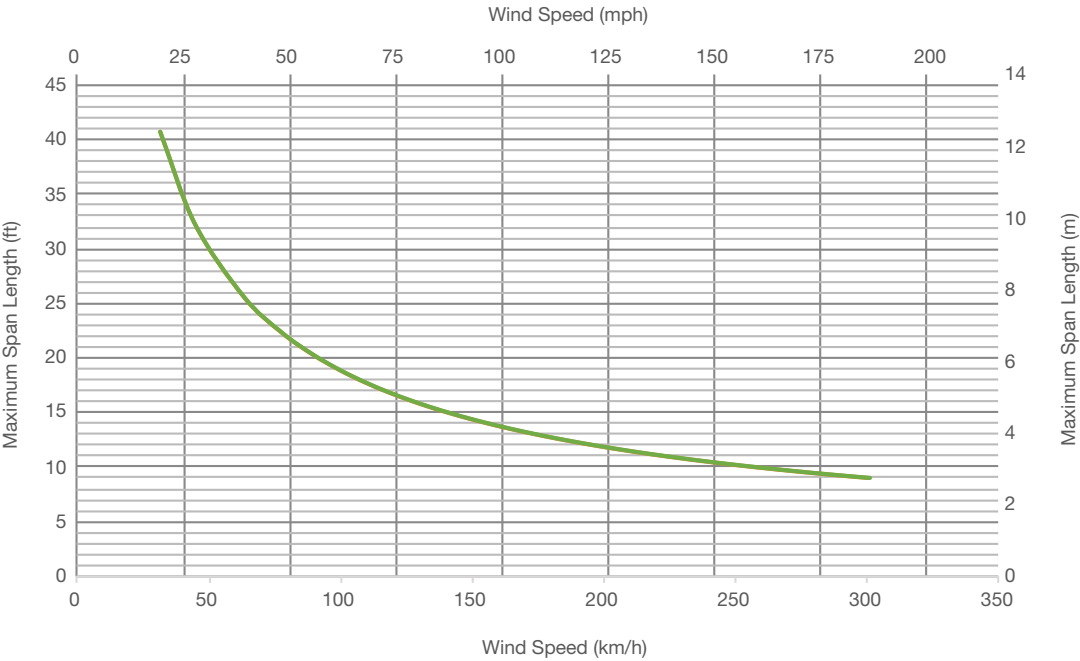
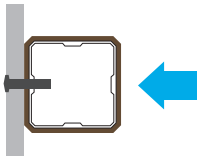


# Careo 7011

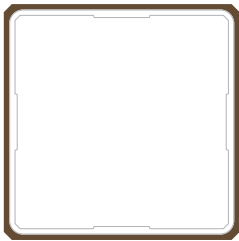


|                    |                                 |
|--------------------|---------------------------------|
| Dimensions         | 53 mm x 53 mm / 2 1/8" x 2 1/8" |
| Weight             | 1.34 kg/ml / 0.90 lb/ft         |
| End Caps           | No                              |
| Splices/Connectors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

## Span length for wind

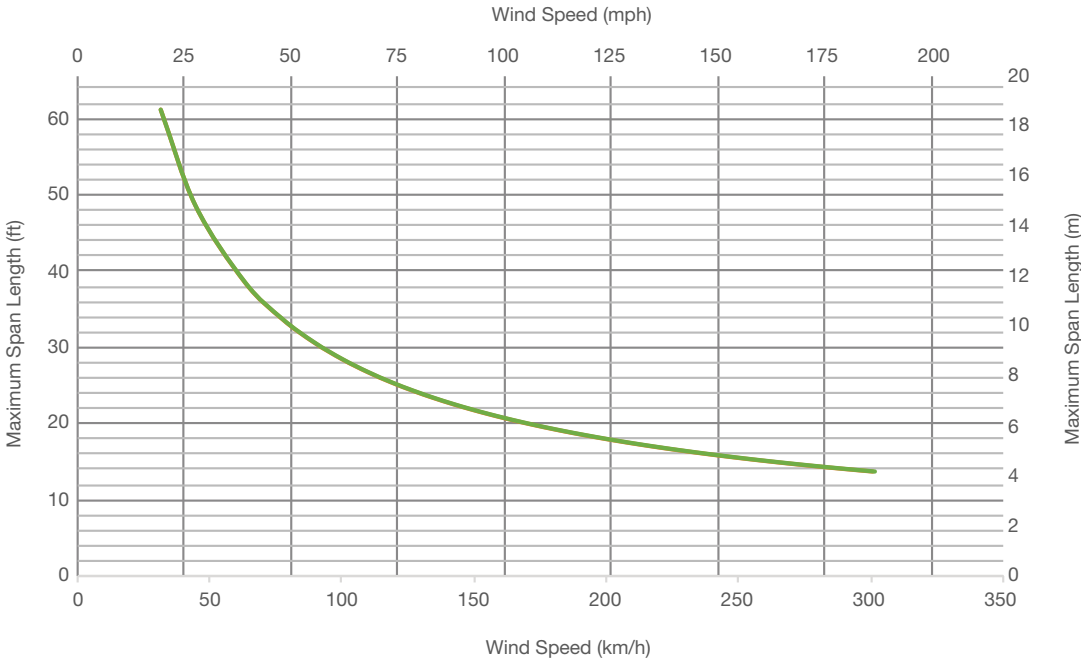
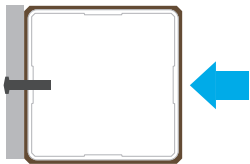


# Careo 7035



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

## Span length for wind

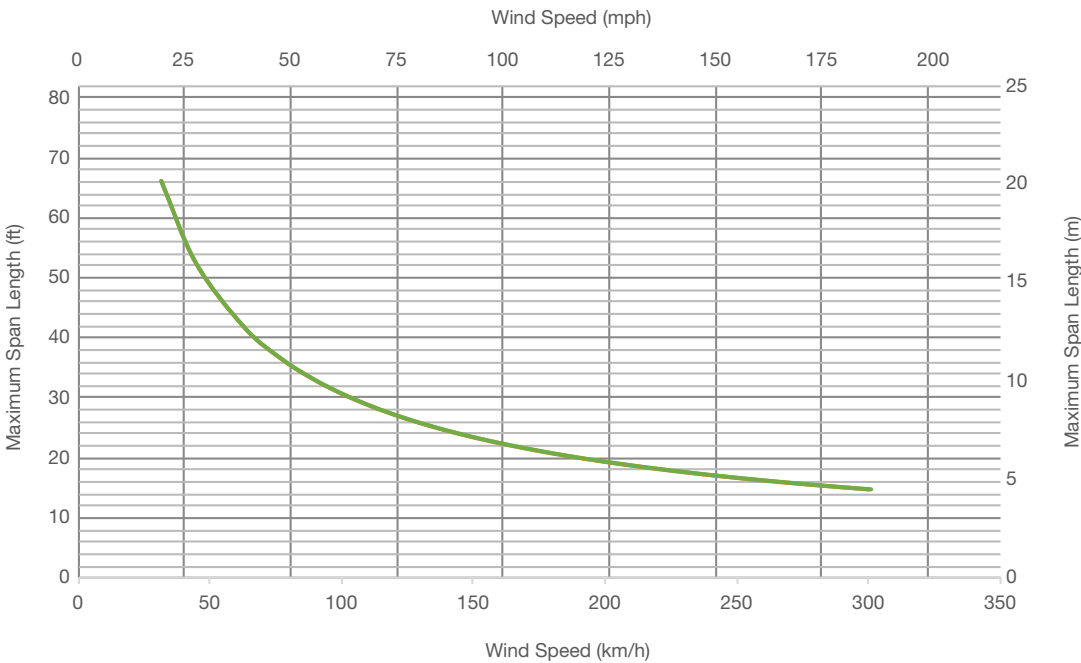
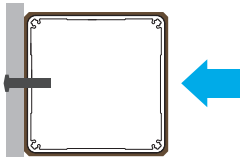


# Careo 7014

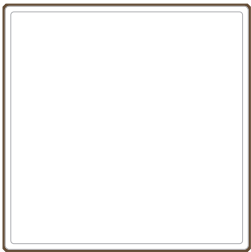


|                    |                                 |
|--------------------|---------------------------------|
| Dimensions         | 88 mm x 88 mm / 3 1/2" x 3 1/2" |
| Weight             | 2.80 kg/ml / 1.88 lb/ft         |
| End Caps           | Yes                             |
| Splices/Connectors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

## Span length for wind

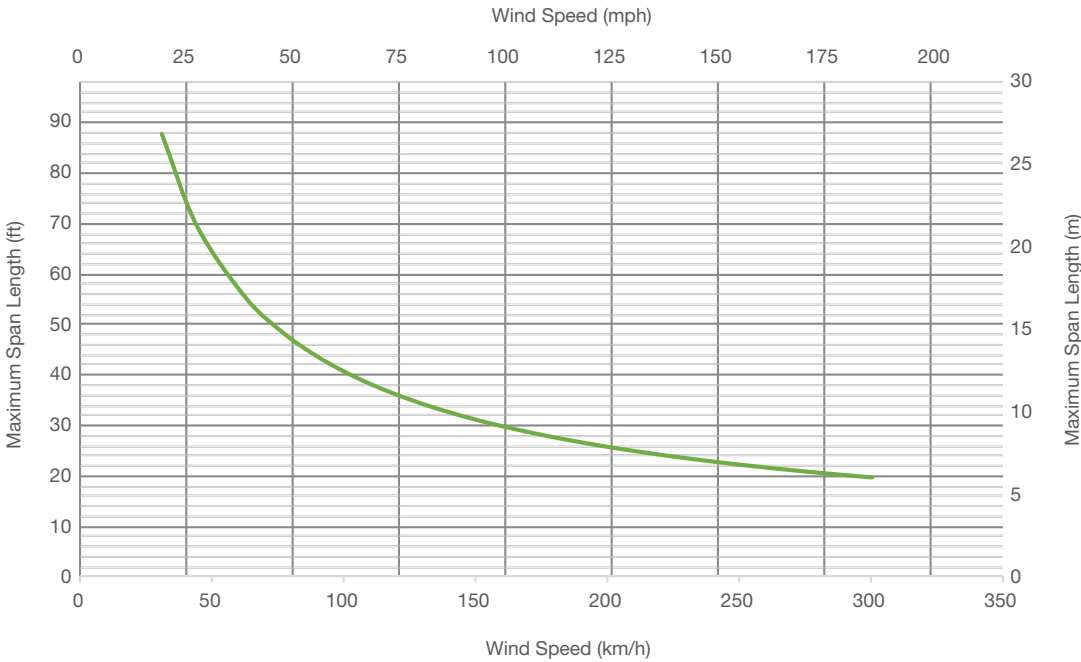


# Careo 7016



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

## Span length for wind



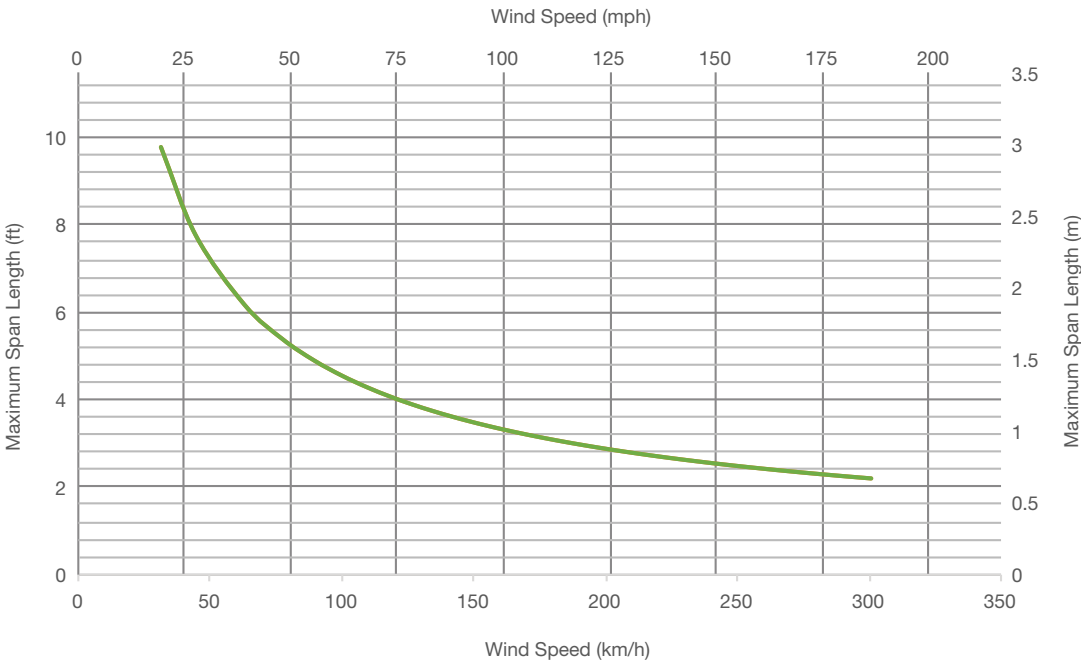
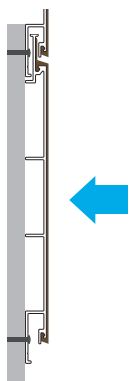


# Vertigo 5010

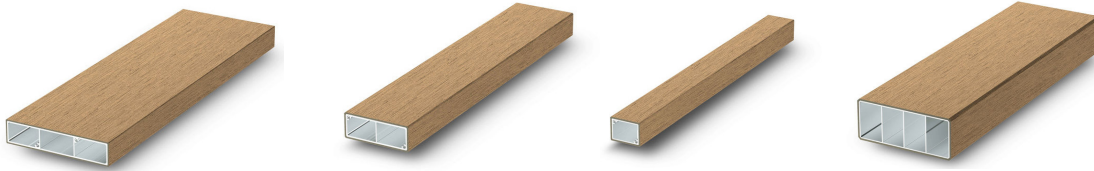


|                    |                                |
|--------------------|--------------------------------|
| Dimensions         | 184 mm x 13 mm / 7 1/4" x 1/2" |
| Weight             | 1.19 kg/ml / 0.80 lb/ft        |
| End Caps           | No                             |
| Splices/Connectors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

## Span length for wind



## Architectural Elements



**SOLEO** - 18 PROFILES



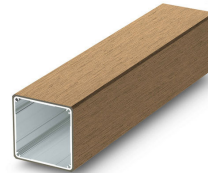
**PLANEO** - 8 PROFILES



**DIAMEO** - 1 PROFILE



**RONDO** - 4 PROFILES



**CAREO** - 6 PROFILES

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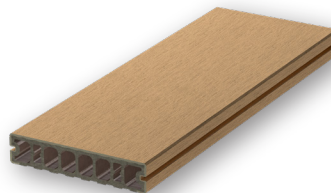
## Cladding/Soffit



**VERTIGO** - 1 PROFILE

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## Commercial Decking



**QUALITA** - 2 PROFILES

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