Kingfisher aluminium bar length louvre blades and mullions are supplied in standard stock lengths of 5.0m and 6.0m respectively. To help inform the site specific engineering calculations that are required for any building project, indicative wind loading tables are shown overleaf.

About the tables
Derivation of design wind pressures for any given project are subject to a number of factors specific to individual sites and to specific locations/arrangements on those sites. These need to take account of not only site basic wind speed, but also site altitude, topography and effect of the surrounding terrain, shape and orientation of the building as well as height above ground and size of the element being assessed.

They are also dependent upon the application of suitable pressure coefficients which are determined in large part by the aerodynamic conditions of the space to which the element serves as a boundary. In particular, the selection of the appropriate coefficients can be a matter of interpretation by the engineer undertaking the specific project calculations.

Obviously these conditions cannot be accounted for in any set of generic calculations or span guidance tables and hence the span tables shown in this document are based on the system capabilities at the indicated wind pressure rather than simple site basic wind speeds.
Blade deflection for a given span (mullion centres) is limited to not more than the indicated blade pitch i.e. KW75 will not deflect more than 75mm.

The above blade spans correspond to a deflection limit of blade pitch, or to a permissible bending stress of 160 N/mm² for 6063 T6 aluminium (BS 8118-1: 1991), whichever is the more restrictive.

Mullion deflection for a given span (mullion fixing centres) is limited to not more than span/50

The above mullion spans correspond to a deflection limit of span/50, or to a permissible bending stress of 160 N/mm² for 6063 T6 aluminium (BS 8118-1: 1991), whichever is the more restrictive.