

Tectrix fins

Advanced systems for sunlight protection and control

Technical Specification

There are two sizes and three styles of standard extruded louvre.

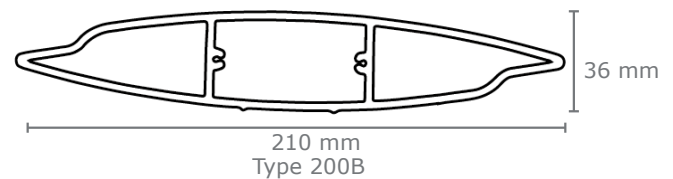
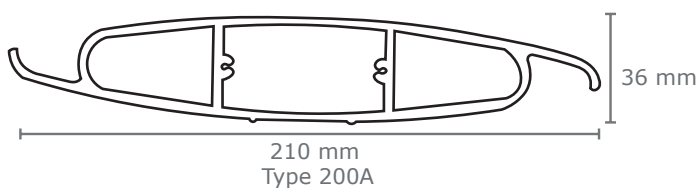
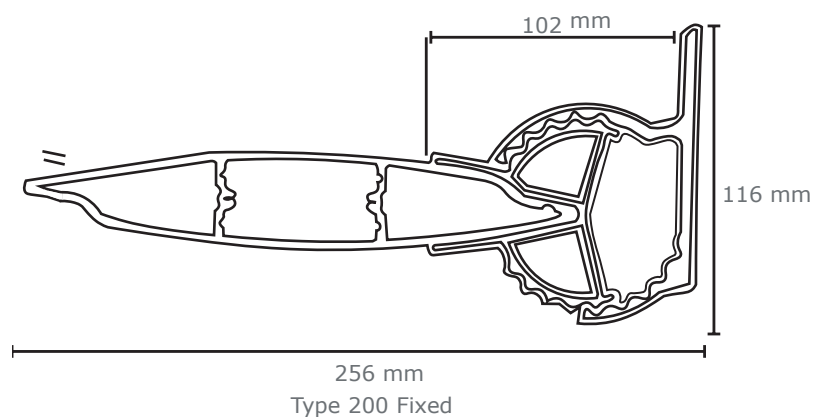
The louvres are 210mm wide x 36mm deep.

Type 200

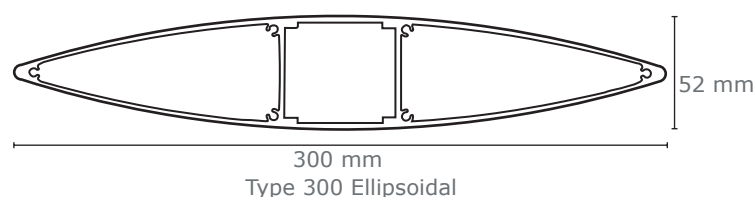
Type 200 fixed has brackets to set the louvres at angles between horizontal and 60°

Type 200A has an interlocking section designed for horizontal applications that also provides protection from the rain.

Type 200B ellipsoidal is an extruded section shaped to provide closer overlap



Type 300 ellipsoidal The louvres have an ellipsoidal section 310mm wide x 56mm deep.



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Louvres

A range of RAL colours for the louvres can be specified. The two end caps, of fibreglass reinforced nylon, are inserted at the ends of the louvre, one of which is fitted with a lug for coupling to the drive rod. This is the lower one when louvres are mounted vertically.

The faces of the louvres have no visible fixings. The end caps are fixed to the louvres by two stainless steel screws that locate in lugs in the extruded section.

Side Channels

The side channels that have pivot pins fitted are aluminium channels and are from box section extrusions 60x120.

Pivot Pins

The pivot pins on which the louvres rotate are formed from 15mm turned aluminium. Smooth pins are fitted to the lower channel and grooved pins to the upper. The grooves enable a circlip to be inserted to retain the louvres. The pins are natural anodised.

Drive Shaft Coupling

The coupling pins are fixed to the lug of the lower end cap of the louvre and are fabricated from 28mm turned aluminium bar.

Drive Shaft

The drive shaft connects the coupling pins of the louvres so that they all move at the same time. The shaft is made from 12mm diameter aluminium bar.

Mounting Brackets

If there is sufficient depth the side channels can be fitted within the window reveal. When the system is face mounted aluminum brackets are required to support the side channels.

Controls

There are two control options for rotating the louvres.

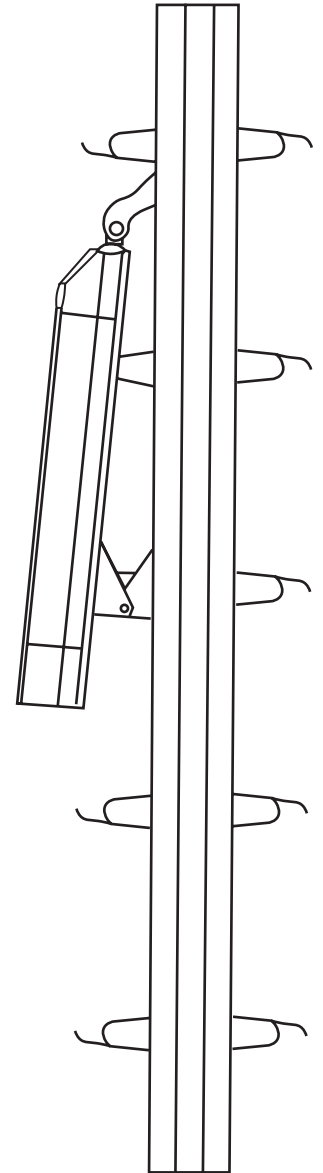
A) Friction control for external manual operation of type 200 louvres is only for infrequent adjustment of the louvre angle. A slotted connecting plate is fitted to the side channel and a lever from the drive shaft is adjusted on a connecting plate with a self locking handle.

B) Motorised control. The 240V motors are linear actuators that are specifically designed for external use. The motor shaft is coupled to the drive shaft and the motor pivots with stainless steel fixings on an aluminium bracket that is attached to the side guide.

Automation

Tectrix Fins should be operated automatically with solar sensors or timers. They can be interfaced with Building Management Systems. See separate leaflet "A Guide to Control Options for Motorised Blinds."

Dimensions: Maximum Width 4m - Maximum Drop 6m



Side section through type 200A showing linear actuator