

Hemera 120 & 103

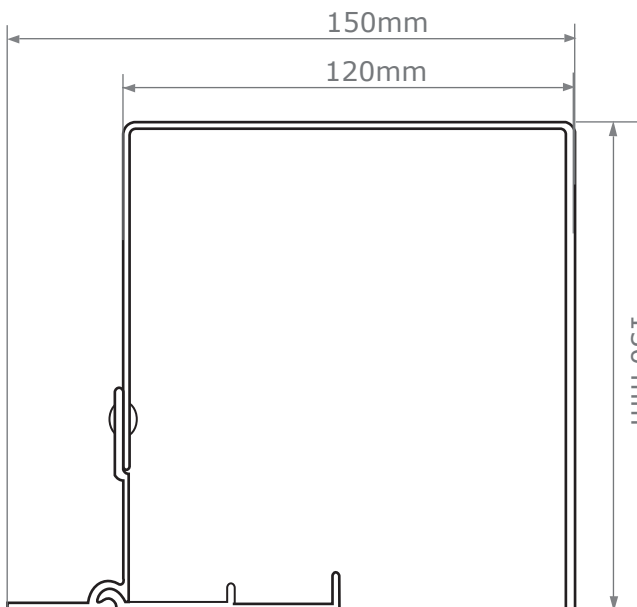
Technical Specification

Cassette Boxes

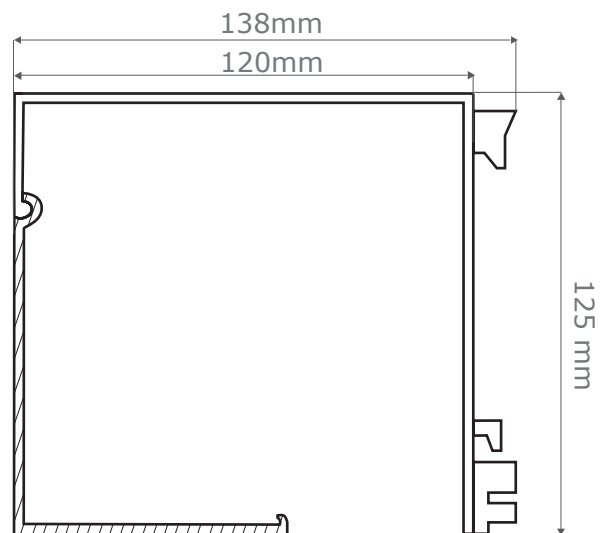
Hemera is available with two styles of cassette box for mounting on the face of the building that is most suited to retro fitting to existing buildings. The Type 120 has an angular square profile and the Type 103 a rounded front fascia that follows the line of the rolling blind.

The Type 120 is also available for incorporation into the building façade so that the blind fabric is retracted and only the bottom rail profile is visible. There is a hinged plate at the underside of the box to enable installation and provide access for maintenance.

120 Recessed Box



120 Cassette Dimensions



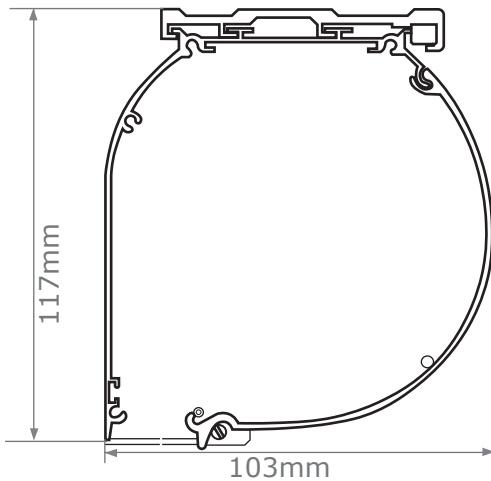
120 Cassette	Max. Width	Max. Height
Standard Guides	4000	4000
Restrained Fabric Guides	3500	4000
Anti Wind Bar	3000	4000
Cable Guide	3000	3500

Key features

- Maximum blind dimensions: Width 4m – Height 4m
- Cassette dimensions: 120mm x 125mm
- Electric drive
- Construction in most colours from the RAL palette
- Variety of mesh screen and solid fabrics
- Anti-wind bars available
- Restrained fabric side guide option



103 Cassette Dimensions



Key features

- Maximum blind dimensions: Width 4.5m – Height 4m
- Cassette dimensions: 107mm x 117mm
- Electric or manual drive
- Construction in most colours from the RAL palette
- Variety of mesh screen and solid fabrics
- Anti-wind bars available
- Restrained fabric side guide option

103 Cassette	Max. Width	Max. Height
Standard Guides	4500	4000
Restrained Fabric Guides	3500	4000
Anti Wind Bar	3000	4000
Cable Guide	3000	3000

Cassette Box

Extruded aluminium profile contains the roller, motor and operating mechanism.

Bottom Rail

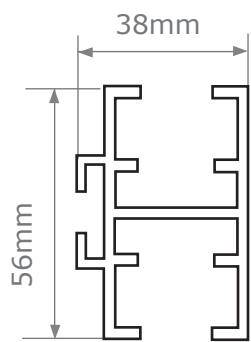
42mm diameter extruded aluminium profile with nylon end caps that locate on the side guides or side cable.

Finish

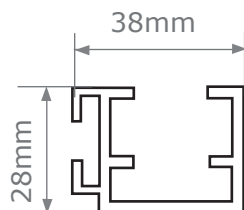
All exposed aluminium components are polyester powder coated to a standard range of RAL colours and custom colours are available.

Fabric

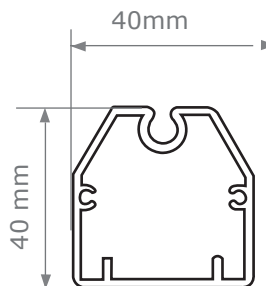
Soltis 92 and Polyscreen 550 re-inforced PVC mesh material in extensive colour ranges.



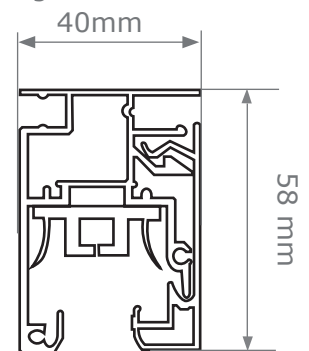
Double Guide GC30FD



Single Guide GC30F



Bottom Rail FG120



Restrained side guide

Side Guides

GC30F standard guide 28 x 38mm retains the bottom rail end cap slide and the fabric is free hanging. Anti-wind bars are an option between the guides.

Hemera 120R has special side guides 58 x 40mm that retain the fabrics for maximum resistance to wind.

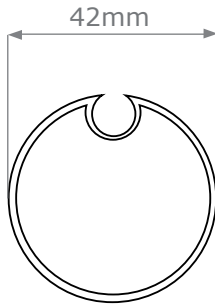


Bottom Rail

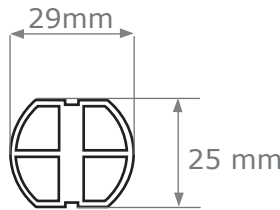
42mm diameter extruded aluminium profile with nylon end caps that locate in to the side guides or side cable. 120R Restrained guides have bottom rail section type FG120.

Side Cable

2.5mm stainless steel cable that extends from the top box to aluminium cill brackets.



Bottom Rail tubular



Anti-wind bar tubular



Cable guide bracket

Motorised Control

Motors

The motor is located in the blind headrail. It is 240v single phase with maximum current requirement of less than 1 amp. It is supplied with an 80cm "flying" lead. This should be connected to a junction box or plug adjacent to the headrail to facilitate removal for maintenance. 110v motors are also available.

The motor has a four core cable Neutral, Earth, Supply to lower and Supply to raise. Wiring diagrams are available for all standard control options.

Switches

A range of switches is available. Before using any other type of switch it is important to confirm with us that it is compatible to maintain the motor manufacturers warranty.

Automatic Control

For maximum energy benefit shading should be able to react to changing weather conditions and the movement of the sun. Control with sensors for sun and wind provide the optimum solutions that can be linked to Building or Home Management Systems.

Manual Control

Gear Box

Hardened steel gears running in Zamac casings which produce a smooth operation which is robust and maintenance free. The unit is located at one end of the headrail.

Universal Joint

A drive from the gearbox exits from the back of the headrail through the building to a 20mm hole is required through the building to allow clearance for the drive. The standard joint drive type GP45 exits at 45° to a nickel plated mounting 22mm wide x 85mm high on the room side. A 90° drive type GP90 is also available.

Operating Rod

The joint is connected to 15mm dia. rod with a cranked end. A nylon magnetic clip retains the rod when not in use. Manual operation drive creates a thermal break so it is not suitable for passive house.

