Specification sheet

Hemera 120

External Roller Shading

with concealed head box When retracted recesses the blind within the building fabric with an integral lower access plate

Hemera 103 with side guides or cable and motorised or manual operation

Control:

The lowest cost energy is the energy that you do not need so preventing overheating and the need for energy use for cooling is more effective than making plant more efficient. Hemara external shading does that, reducing the load from solar gain by up to 90%, a significant cost saving. Stopping the gain before it reaches the glass is more energy efficient than paying to remove it.

Function:

- Retractable
- Automatic/Manual
- Durable
- Proven Technology

Passive House and Low Energy Shading Solutions :

Harvesting winter heat gains with large south facing glazing is an important consideration for minimising heating costs. But this and insulating the structure can create overheating problems even in early spring and autumn if the glazing is not insulated to prevent those gains.

Dynamic shading – that is moveable blinds - is the insulation of the element that is the least protected, the glass.

G and U values

We need a good U value to keep heat in during winter but we also need a good Gtot figure. Gtot is the measure of the total energy passing through a window when exposed to solar radiation, that is, the heat gains passing the combination of blind and glass (In the same way that U value is a measure of heat loss)

Hemera blinds with a silver Soltis mesh material have a Gtot of 0.11 with Low E double glazing ,that is 89% heat rejection. The Soltis mesh fabric gives control of heat, light and glare and as well as a clear view out, thermal and visual comfort for the occupant, an effective yet attractive solution.

CI/SfB (76.7)

April 2015

Specification sheet

Headbox concealed
Cable
GC30F side guide
GC30FD double side guide
FG120 bottom rail
41mm dia bottom rail

Sustainable Shading

Unlike most building components dynamic external shading saves a multiple in CO2 emissions of those created throughout its lifecycle. Shading is a recognised energy saving measure in the Green Deal for which there is a PAS2030 standard, for a detailed explanation see the Green Deal "Guide to Low Energy Shading" that can be downloaded from our website.

Illustration Blow up 103R

Hemara 103 Technical Specification:

Cassette Box - Extruded aluminium profile 120mm x 125mm deep contains the roller, motor and operating mechanism

Bottom Rail – 42mm diameter or type FC120 rectangular extruded aluminium profile with nylon end caps that locate on to the side guides or side cable

Side Cable – 2.5mm stainless steel cable that extends from the top box to aluminium cill bracket Side Guides extruded aluminium section with aluminium fixing brackets

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

Control - Individual or Automated control with extensive options for solar, group or façade control that can all be linked to the Building Management System (BMS)

Minimum width 600mm
Maximum width 3500mm
Maximum drop 4500mm

Hallmark Blinds Ltd
173 Caledonian Road
London
N1 0SL

Tel: +44 207 837 0964
Fax: +44 207 833 1693

www.hallmarkblinds.co.uk

info@hallmarkblinds.co.uk