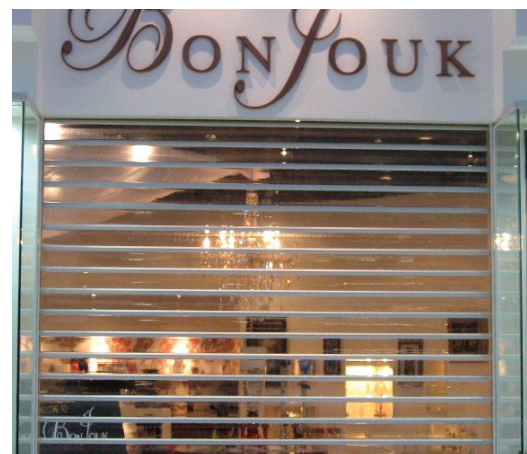


CLEAR VISION ALUMINIUM SHUTTER



Clear Vision Aluminium Shutters combine strength, through-vision and flow of light. They are suitable for most commercial applications including shopping centre shopfronts, counter and bar tops, food service areas, entrances and doorways, retail stores, shopping arcades, clubs, reception areas.

The Clear Vision Aluminium Shutter can span any opening size up to 5.5m wide in one section if motorised, or up to 3.4m wide (limited to 10m²) if manually operated. Unlimited spans can be achieved by use of fixed or removable mullions. For advice on achievable shutter sizes or technical data please contact a sales representative.

THERE ARE TWO TYPES OF INSTALLATIONS AVAILABLE:

- 1. BRACKET INSTALLATION** (Support from wall or ceiling)
Brackets made from 90mm x 40mm mild steel slotted angle.
- 2. PELMET BOX INSTALLATION**
Sheet metal pelmet with die cast aluminium side frames (below ceiling application).



THE CURTAIN

Constructed of clear polycarbonate extruded slats 100mm tall (87mm view coverage). These interlocked with extruded aluminium joining slats with a coverage of 30mm high, forming a continuous hinge. The ends of these aluminium slats are fitted with nylon-moulded end clips, which are secured to the slats with rivets. These clips lock the curtain into the guide channels, prevent sideways movement of the polycarbonate slats and enable smooth operation of shutter curtain. The curtain may be installed with the roll in standard or in reversed roll positions.

VENTILATION

Can be punched into the polycarbonate slats for airflow purposes. Slots are 150mm wide x 30mm high @ 50mm spacing. Polycarbonate slats can be substituted with aluminium infill, which can have ventilation slots if required.

SIDE GUIDES

Extruded aluminium, 54mm x 32mm (bracket installation) or 76mm x 32mm (pelmet box installation). Side guides have a false back for hiding fixings, and come standard with a felt buffer.

LOCKING

Achieved via a two way mortice key lock mounted in the centre of the bottom rail or mid-rail, which slides a shootbolt into both guide channels. The Bottom Rail is an 85mm x 17mm extruded aluminium section with secure cover. It is fitted with an aluminium Up Stop Foot (64mm deep). The locking rail can also be used as a Mid Rail at any height for extra strength or easier access for locking. Motorised doors are not fitted with locks.

MULLIONS

Consist of a two-piece extrusion for both straight openings or any angle. Mullions can be removable with shoot bolts at the base. Angled mullions can be used when two doors meet at an angle, (adequate headroom required).

ROLLER DRUMS

There are three types available:

- 1. Bracket Installation, Manual Operation:** Manufactured from Ø229mm seam lock steel tube, or
- 2. Bracket Installation, Electric Operation:** – Manufactured from Ø229mm spiral welded steel tube, or
- 3. Pelmet Box Installation:** Manufactured from Ø70mm steel tube with 130mm collar inserts. For bracket installation, the 229mm tube above is attached to circular end caps with fully enclosed ball bearings which rotate around a 34.8mm steel axle. Helical coil springs are fixed between the axle and roller drum to counterbalance the curtain weight throughout its full operation.

OPERATION

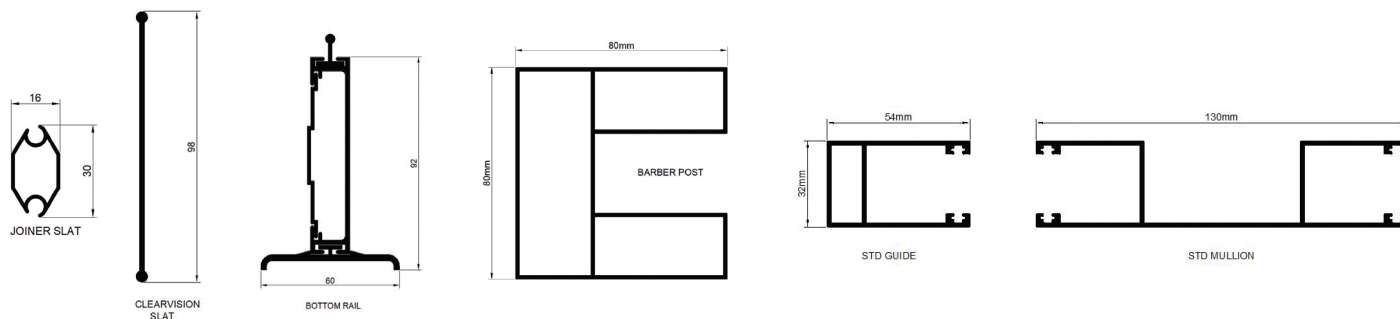
Manual operation with counterbalance helical springs, pull pole provided to assist lifting and closing with flush pull handles, or Motorised operation with 240V electric actuators, either Centris side-mounted motor for Bracket Installation, or internal dead-lift tube motor for Pelmet Box Installation. Activation of motorised shutters is by standard key switch, with options for push button controller, remote control or Battery Backup (UPS). Centris motors are fitted with safety brake, and de-clutching cable to allow manual operation during power outages (emergency use only).

FINISH

All aluminium components are clear anodised (as standard) or powder coated to Dulux Powder Coat Colour Range.

ROLL DIAMETERS – BRACKET INSTALLATION

Daylight Height (mm)	1200	1500	1800	2100	2400	2700	3000	3300	3600
Roll Diameter (mm)	290	300	300	325	330	330	335	340	365



Integrity Door Services reserves the right to alter specifications without notice.