

# MIRAGE

D O O R S

## CLEARLINE ROLLER SHUTTERS

AVAILABLE WITH POLYCARBONATE OR ALUMINIUM SLATS



The Mirage Clearline Roller Shutter has been developed to give the highest level of vision whilst providing security and natural light transmission. The design of the slats provides excellent dust and vermin protection.

### APPLICATIONS

Suitable for shopfronts, store rooms, reception counters and corridors in retail tenancies, restaurants, cafes, clubs, offices, educational buildings, hospitals and unit developments.

When fitted with aluminium slats the Clearline roller shutter is an ideal high security roller shutter that is easy to operate.

Call 1800 465 599 or visit [www.miragedoors.com.au](http://www.miragedoors.com.au)

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## RECOMMENDED SPECIFICATIONS

Clearline Vision Roller Shutters, as manufactured by Mirage Doors. Product Code AE / CP / 115.

### CURTAIN

Made of alternating full width clear polycarbonate extruded slats 1.5mm thick x 98mm high, linked by rigid aluminium joining slats. Both ends of every aluminium slat are filled with a solid nylon clip that secures slats laterally and takes up wear. The Clearline may be installed forward roll or reverse roll, without affecting the appearance and function of the installation.

### CLEARLINE BOTTOM RAIL

The bottom rail consists of a robust extruded aluminium section fitted with a rear cover plate designed to house a key operated locking.

### SIZES

Widths - Any width of opening may be protected by fitting the "Mirage" removable or fixed standard 180, 135 or 90 degree mullion between individual shutters.

### OPERATION

The roller drum is installed in a horizontal overhead position. Mirage Clearline roller shutters are spring counter-balanced. Size limitations are as follows:

- Manual operation - 3600mm wide / 3500mm high / overall maximum 9.0m<sup>2</sup>.
- Electric operation via a 240v internal drive motor - 5500mm wide / 4000mm high.

### LOCKING

Standard lock is a 4 pin lock either single sided (specify inside or outside locking) or double sided (either key both ways, or key & rear snib). It can be fitted to bottom rail or waist high rail (where specified), or both (as an option).

Locking alternatives are:

- Sliding shoot bolts fitted to bottom rail only;
- Lockwood style 5 pin lock to one side only;
- Lockwood style 6 pin lock to one side only. This lock can be "master keyed" by others. Please note this lock protrudes from face of bottom rail by up to 15mm.

## ROLLER DRUM

The drum is manufactured from 200mm diameter galvabond spiroduct tube and attached to pressed steel or nylon end caps. Helical coil oil tempered springs is installed inside the drum. The spring tension is adjusted on site and locked into operating position by the installer.

## FINISH

The standard finish is matt natural anodised. Other anodised finishes and polyester powdercoat colours are available on request and are subject to lead time constraints. Metallic and Pearl powdercoat finishes are not recommended for roller shutters.

## OPTIONAL EXTRAS

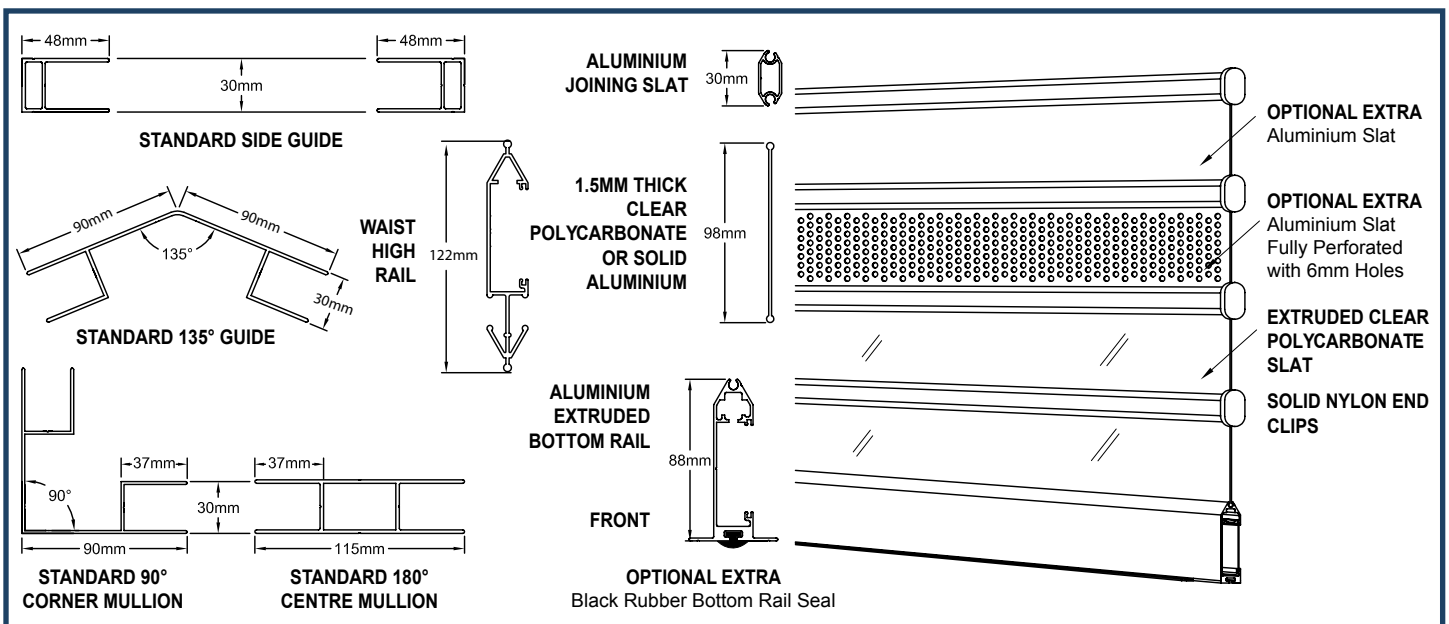
- Ventilation Slots - The polycarbonate slats may include ventilation slots 127mm wide x 28mm high, which provides 20% free air flow per lineal metre of slat. The specification must nominate the number of slats to be ventilated;
- Solid Aluminium Slats - Any number of the clear polycarbonate slats can be substituted with solid aluminium slats of the same size and function. The benefit is added strength;
- Multi Hole - The solid aluminium slat may also include multi-hole perforations, comprising 6.5mm diameter holes at 8.5mm diameter centres. This provides 30% air flow per lineal metre of slat. The specification must nominate the number of slats to be ventilated.
- Waist High Rail - If lock is preferred at waist level for ease of opening, a waist high rail can be specified.

## INSTALLATION AND CLEARANCE DETAILS

- Clearline manual roller shutters: Refer to Technical Data Sheets 1 - 4.
- Clearline electric roller shutters: Refer to Technical Data Sheets 7A - 7D.

## TIPS FOR SPECIFIERS, BUILDERS & SHOPFITTERS

- The polycarbonate slat is not U.V. stabilised and therefore installation in outdoor applications is at the purchasers risk;
- Preparation of openings to suit the Clearline shutter is by others. The shutter must not be installed to hollow stud walls. Refer to the Technical Data Sheets to ensure adequate wall preparation;
- If required, pelmet enclosures, provision of jambs, flashings for jambs and master - keying of locks are by others.



Mirage Doors has a continuous program of product development and reserves the right to change specifications at any time without notice.