

# Solar shading system

## DUCO Ventilation & Sun Control

### DucoSun Ellips 100 Moveable

#### Description

Permanent external shading system made of aluminium with movable blades. The blades are mounted on site in the supporting structure (horizontally or vertically). The blades are continuously adjustable thanks to the linear electric drive motor.

#### Version

##### **Blade**

- Blade type                      Ellips 100
- Shape of blade                ellipse
- Blade height                  100 mm
- Blade width                    26 mm
- Inclination angle            0° to 90°, continuously adjustable

##### **Mullion**

- 60/100, fixing directly to the supporting structure

##### **Motor**

- Power supply                 230 VAC, 50 Hz
- Current                         0.55 A
- Electric power                126 W
- IP class                         IP65
- Cable length                  2 m from actuator

##### **Accessories**

- Aluminium stop for mullion 60/100 available

## Material and surface treatment

### Blade

- Aluminium                      EN AW-6063 T66 (EN 573-3)  
   Profile thickness: min. 1,3 mm
- Finish
  - Natural anodised (15-20 µm) according to Qualanod
  - Polyester powder coated (60-80 µm) according to Qualicoat Seaside type A (specific RAL codes or textured paint on request)

### Mullion

- Aluminium                      EN AW-6063 T66 (EN 573-3)  
   Profile thickness: min. 3 mm
- Finish
  - Natural anodised (15-20 µm) according to Qualanod
  - Polyester powder coated (60-80 µm) according to Qualicoat Seaside type A (specific RAL codes or textured paint on request)

### Coverplate

- Aluminium                      AlMg3  
   Lasered, 5 mm thick
- Finish
  - Natural anodised (15-20 µm) according to Qualanod
  - Polyester powder coated (60-80 µm) according to Qualicoat Seaside type A (specific RAL codes or textured paint on request)

## Technical specifications

### Strength calculation

According to EN 1990, EN 1991, EN 1999