# Solar shading system DUCO Ventilation & Sun Control DucoSun Ellips 300 Unifit

## Description

Permanent external shading system made of aluminium. The blades are mounted on site in the supporting structure (horizontally or vertically). The Ellips 300 blades are placed at a fixed inclination angle of 0°, 30° or 45° with a 'Unifit' fork. The elliptical louvre blades ensure the maximum amount of diffused daylight.

## Version

### Blade

* Blade type Ellips 300
* Shape of blade ellipse
* Blade height 300 mm
* Blade width 50 mm

### Bracket

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Inclination angle | Height | Width |
| Unifit 0° | 0° | 80 mm | 40 mm |
| Unifit 30° | 30° | 100 mm | 40 mm |
| Unifit 45° | 45° | 100 mm | 40 mm |

### Blade fixation

* 2 x hexagon socket countersunk head screw DIN 7991 M5 x 55
* 2 x washer DIN 125-1A M5
* 2 x lock nut DIN 985 M5

### Bracket fixation

|  |  |
| --- | --- |
| Type | Material |
| Directly on supporting structure | * 2 x hexagon head bolt DIN 933 M8 x 16 * 2 x washer DIN 125-1A M8 |
| On DUCO mullion | * 2 x hexagon head bolt DIN 933 M8 x 16 * 2 x washer DIN 125-1A M8 * 2 x nut plate M8 |

### Accessories

* Coverplates available
  + Aluminium AlMg3, lasered, 3 mm thick

## Material and surface treatment

### Blade

* Aluminium EN AW-6063 T66 (EN 573-3)

Profile thickness: min. 1.7 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)

### Bracket

* Aluminium EN AW-6063 T66 (EN 573-3)
* Finish
  + 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