

# Solar shading system

## DUCO Ventilation & Sun Control

### DucoSun Linear 200 Unifit

#### Description

Permanent external shading system made of aluminium. The blades are mounted on site in the supporting structure (horizontally or vertically). The Linear 200 blades are placed at a fixed inclination angle of 45° with a 'Unifit' fork. Together with the blade, which is shaped like a parallelogram, this creates a particularly beautiful effect.

#### Version

##### Blade

- Blade type                      Linear 200
- Shape of blade                parallelogram
- Blade height                  200 mm
- Blade width                    37 mm

##### Bracket

- Type                              Unifit
- Inclination angle            45°
- Height                          125 mm
- Width                            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	<ul style="list-style-type: none"> <li>• 2 x hexagon head bolt DIN 933 M8 x 16</li> <li>• 2 x washer DIN 125-1A M8</li> </ul>
On DUCO mullion	<ul style="list-style-type: none"> <li>• 2 x hexagon head bolt DIN 933 M8 x 16</li> <li>• 2 x washer DIN 125-1A M8</li> <li>• 2 x nut plate M8</li> </ul>

##### 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