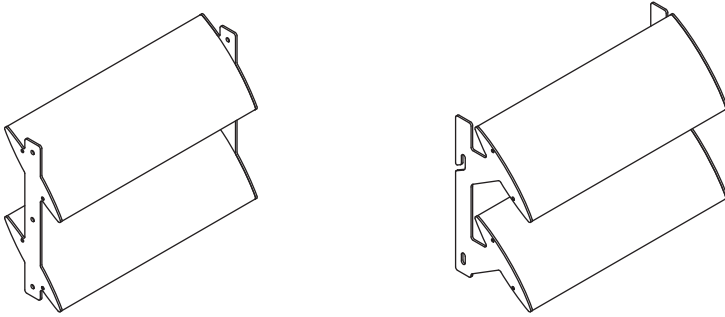


Installation method - Icarus® cassette < Systems





Description

Vertical, permanent sun protection with multiple blades mounted between end plates to form cassettes. Any blade pitch and inclination can be chosen. Any version of the end plates is also possible. Attachment of the cassettes directly to the load-bearing substructure using standard brackets or attachment to knife brackets.

Materials and construction

Blades: aluminium extrusion profile in EN AW-6063 T66 alloy
End plates are aluminium alloy (AlMg3) or steel. The thickness is calculated as a function of the dimensions, weight and local wind load.
Stainless steel sheet-metal screws and fasteners.

Surface treatment

- Anodised (20 micron)
- Polyester powder coating RAL or Syntha Pulvin® colors (60-80 µ/40 µ (UK))
- Steel components are galvanised and powder coated

Maximum unsupported span

Maximum recommended blade length for angles below 45° in relation to the vertical overhang:

Blade type	Wind load		
	650 Pa	800 Pa	1250 Pa
ICA.100	2280 mm	2105 mm	1785 mm
ICA.125	2470 mm	2290 mm	1965 mm
ICA.150	3145 mm	2890 mm	2440 mm
ICA.200	3590 mm	3285 mm	2755 mm
ICA.250	4110 mm	3745 mm	3125 mm
ICA.300	4615 mm	4515 mm	3730 mm
ICA.360	5280 mm	5250 mm	4340 mm
ICA.400	5325 mm	5325 mm	4475 mm
ICA.480	6000 mm	6000 mm	5880 mm
ICL.150	3420 mm	3150 mm	2675 mm
ICL.200	3750 mm	3450 mm	2900 mm
ICL.300	4615 mm	4515 mm	3730 mm
ICP.060	1435 mm	1335 mm	1150 mm
ICP.150	3700 mm	3415 mm	2910 mm
ICP.200/30	3910 mm	3615 mm	3050 mm
ICP.200/40 (*)	4735 mm	4675 mm	3935 mm
ICP.300	4755 mm	4440 mm	3725 mm

The maximum unsupported spans described here apply only to the blades and depend on the dimensions of the sun protection. Other spans may be possible after detailed study of the actual project situation.

