# L.050 < Blade types



L.050.00



# Extruded aluminium blade

Heavy-duty extruded aluminium profile at 50 mm pitch with very high air flow. Variable 50 to 100 mm pitch is possible with blade supports of the type L.050.13 and L.050.14 (see drawing below).

#### Features

Blade L.050.00 can also be curved with a minimum radius of 800 mm (see p. 78). Top blade L.050.02 available for attractive top connection. Long bottom blade L.050.03 and short bottom blade L.050.04 for optimal finish.

## Materials

Aluminium extrusion, alloy EN AW 6063 T66

#### Finish

- Anodised (20 micron)
- Polyester powder coating RAL or Syntha Pulvin® colours (60 80  $\mu/40~\mu$  (UK))

## Mesh

Fixed to the rear of the support structure or in combination with blade  $\ensuremath{\mathsf{L.050IM1}}$  .

# Doors

Single and double doors available with standard RENSON  $^{\mbox{\scriptsize \$}}$  hardware and rotating on pivot (see p. 75-76).

## Blade support

- Blade supports for 50 mm pitch
- Single blade support: type L.050.110 (width 28 mm)
- Double blade support for thermal expansion: type L.050.120 (width 34 mm) (connection piece for 2 blades)
- Blade supports for variable pitch 50 100 mm
- Single blade support: type L.050.13 (width 28 mm)
- Double blade support for thermal expansion: types L.050.14 (width 34 mm) (connection piece for 2 blades)







# L.050HF < Blade types



..050HF



L.050.25



# Extruded aluminium blade

Heavy-duty extruded aluminium profile at 50 mm pitch with very high air flow. Variable 50 to 100 mm pitch is possible with blade supports of the type L.050.13 and L.050.14 (see drawing below). Often to be found where the blade pitch reflects the aesthetics of the overall project design.

### Materials

Aluminium extrusion, alloy EN AW 6063 T66

### Finish

- Anodised (20 micron)
- Polyester powder coating RAL or Syntha Pulvin® colours (60 80  $\mu/40~\mu$  (UK))

#### Mesh

Fixed to rear of the support structure.

#### Features

Blade L.050HF can also be curved with a minimum radius of 800 mm (see p. 78).

## Doors

Single and double doors available with standard RENSON® hardware and rotating on pivot (see p. 75-76)

#### Blade support

- Blade supports for 50 mm pitch
- Single blade support: type L.050.110 (width 28 mm)
- Double blade support for thermal expansion: type L.050.120 (width 34 mm) (connection piece for 2 blades)
- Blade supports for variable pitch 50 100 mm
- Single blade support: type L.050.13 (width 28 mm)
- Double blade support for thermal expansion: type L.050.14 (width 34 mm) (connecting piece for 2 blades)





# Technical data

	L.050HF
Pitch	50 mm
Depth	41,0 mm
Height	50,0 mm
K-Factor*, supply	8,75
Visual free area*	70%
Physical free area*	60%
Max. unsupported span between two mullions**	1050 mm
	L.050.25
Pitch	50 mm
Depth	41,0 mm

Height	60,0 mm
K-Factor*, supply	15,69
Visual free area*	50%
Physical free area*	32,5%
Max, unsupported span between two mullions**	1300 mm

\* Definition see p. 52 \*\* At qb 800 Pa wind pressure



# L.050W / L.050WS < Blade types





L.050W



# Extruded aluminium blade

#### L.050W

The new patented system RENSON® Linius® L.050W is an aesthetically elegant high performance louvre. The system consists of water-resistant blades which have been tested up to 3.0 m/s according to HEVAC class A2 (see p. 54). They are easy to install and barely visible, thanks to being clip mounted to blade supports which accompany the system. Other unique features of this system include excellent air flow, a good physical free area and the blade's large unsupported span between two mullions.

This system L.050W can be provided with an optional frame profile L.050W.21 - see Aluminium frames.

#### L.050WS

To provide a matching aesthetic blade, the L.050WS blade is available as part of the system. The blade can be used for non active areas or where high performance without weather restistance is required. Visually the two systems appear the same.

#### Materials

Aluminium extrusion, alloy EN AW 6063 T66

## Finish

- Anodised (20 micron)
- Polyester powder coating RAL or Syntha Pulvin<sup>®</sup> colours (60 - 80 μ/40 μ (UK))

#### Mesh

Fixed to rear of the support structure.

#### Blade support L.050W

• Blade support: type L.050W.11 (width: 34 mm)

# Blade support L.050WS

- Single blade support: type L.050.110
- Double blade support for thermal expansion: type L.050.120





A2 clas



# Blade types > L.050W / L.050WS



# L.050CL < Blade types





# Extruded aluminium blade

### Applications

Often used in cases where the step between the blades display the aesthetics of the project design. Available as doors, shapes and circles. L.050CL - Suitable for fully or partially closed continuous louvre systems.

## Materials

Aluminium extrusion, alloy EN AW 6063 T66

# Finish

- Anodised (20 micron)
- Polyester powder coating RAL or Syntha Pulvin® colours (60 - 80 μ/40 μ (UK))

## Doors

Single and double doors available with standard RENSON® hardware and rotating on pivot (see p. 75-76).

#### Blade support

- Single blade support: type L.050.110 (width: 28 mm)
- Double blade support for thermal expansion: L.050.120 (width: 34 mm) (connecting piece for 2 blades)



## **Technical data**

	L.050CL
Pitch	50 mm
Depth x Height	41 x 60
Max. unsupported span between two mullions**	2100 mm
* Definition see p. 52 ** At qb 800 Pa wind pressure	



# Extruded aluminium blade



Extruded aluminium profile with integrated insect mesh. This 50 mm pitch blade clipped into the standard blade support combines weather resistance and insect protection. No separate insect mesh is needed, resulting in considerable time savings during installation. This blade is also the ideal solution for applications where installation of a separate insect mesh is difficult. The L.050IM1 blade cimbines perfectly with the standard L.050.00 blade and L.050CL closed blade.

# Materials

Aluminiumextrusion, alloy EN AW-6063 T66

# Finish

- Anodised (20 micron)
- Polyester powder coating RAL or Syntha Pulvin® colours (60 80  $\mu/40~\mu$  (UK))

## Doors

Single and double doors available with standard RENSON  $^{\mbox{\scriptsize \$}}$  hardware and rotating on pivot (see p. 75-76).

# Blade support

- Single blade support: type L.050.110 (width: 28 mm)
- Double blade support for thermal expansion: L.050.120 (width: 34 mm) (connecting piece for 2 blades)





# Technical data

	L.050IM1	
Pitch	50 mm	
Depth	41 mm	
Height	60 mm	
K-Factor*, supply	14,6	
Visual free area*	70 %	
Physical free area*	34,7 %	
Max. unsupported span between two mullions**	2100 mm	
* Definition see p. 52		
** At ab 800 Pa wind pressure		

# Blade types > L.050IM1



L.050IM1



