

## Introduction

Levolux 4000 series specialist venetian blinds are designed for a wide range of applications (both commercial and residential) and can be installed both internally and externally.

Levolux venetian blinds can provide protection against glare as well as very fine light control as a result of the variable slat positions. Additionally, if the blinds are fitted externally, they can significantly reduce the amount of heat gain entering the building.

## The Ideal Solar Shading System

The ideal solar control solution must meet a number of requirements:

**Protection from direct sunlight** – the system should be adjustable to ensure that direct sunlight does not enter the building.

**Control of glare** – the system should not only cut out direct sunlight, but should also control glare. This is of particular importance in offices where computer screens are used.

**Control of solar gain** – the system should reduce the level of solar gain entering the building. Installing the shading system externally can reduce solar gain by up to 95%, reducing, or even potentially eliminating, the need for air conditioning.

**Maximisation of natural daylight** – when external light levels are low, the shading system should be able to be retracted, to make the best use of the natural daylight that is available.

**Protection from the cold** – the shading system should be able to help insulate the building by reducing the amount of night cooling during winter months.

**Communication** – the system should allow a view to the exterior, ensuring that the building occupants do not feel cut off from the outside world and their surroundings.

All of these requirements can be achieved by the installation of Levolux external venetian blinds. Installation of the blinds internally will reduce the effectiveness of the control of solar gain, but will not compromise the other requirements of the ideal solar shading system.

## Features & Benefits

**Aesthetically pleasing** – a variety of standard slat widths are available, ranging from 50mm to 100mm with a wide choice of colours and the option of perforation to allow outward vision, even when the blinds are closed. Matching head rails and bottom rails provide a high

quality product that is both functional and decorative, allowing the specifier to achieve a dramatic visual appearance, without compromise to performance.

**Ultimate control** – the blinds can be retracted when not required; when lowered, the slat angle can be precisely adjusted to provide a very fine degree of light control.

A variety of control options are available including manual operation with gearbox and detachable handle, individual or group motorised operation via switch or remote control and fully automated with solar control. In addition, the blinds can interface with the building management system.

**Technically reliable** – all the specialist venetian blinds in the Levolux range are designed to be used internally and when manufactured are subject to rigid quality control. For external use, a range of side guides are available, together with head boxes to protect the slats in the raised position.

**Low maintenance** – the robust, aluminum, construction of the blinds, combined with self-lubricating nylon bearings, ensures a virtually maintenance-free life.

## The Range

Standard head rail is used for all the blinds in the Levolux range. A variety of slat options are available as follows:

50mm	Crowned slat for internal and external use
60mm	} Crowned and rolled edge slat for internal and external use
80mm	
100mm	Crowned slat for internal and external use
200-425mm	Internal use

A number of different bottom rail options are available, together with a range of side guide wires and extrusions. The specific choice of which slat to use will depend primarily upon the appearance that the specifier/user wants to achieve.

The aluminium slats are heat treated and double stove enamelled to provide resistance to surface abrasion from the slats rubbing against each other and protection to peeling, corrosion, chaffing and fading. The slats are available in a range of colours.

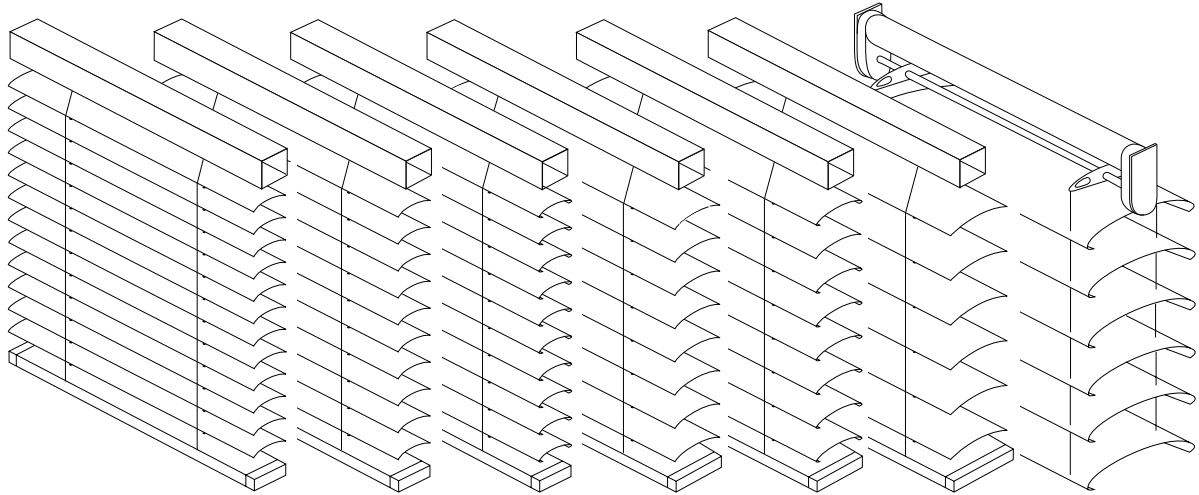
## 3 Year Warranty

All Levolux systems are made of a high grade material to exacting specifications. This enables us to offer a guarantee providing free of charge replacement parts should any system prove defective within 3 years of installation. This guarantee is conditional on manufacturer's recommended fitting, operating and maintenance instructions having been followed.



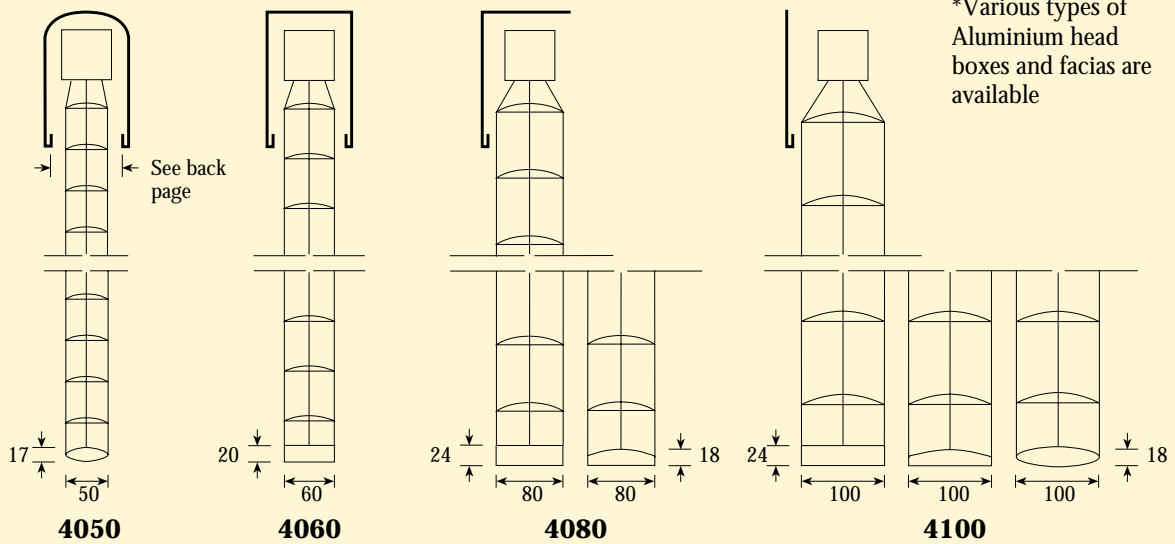
## Standard Systems

## Custom System

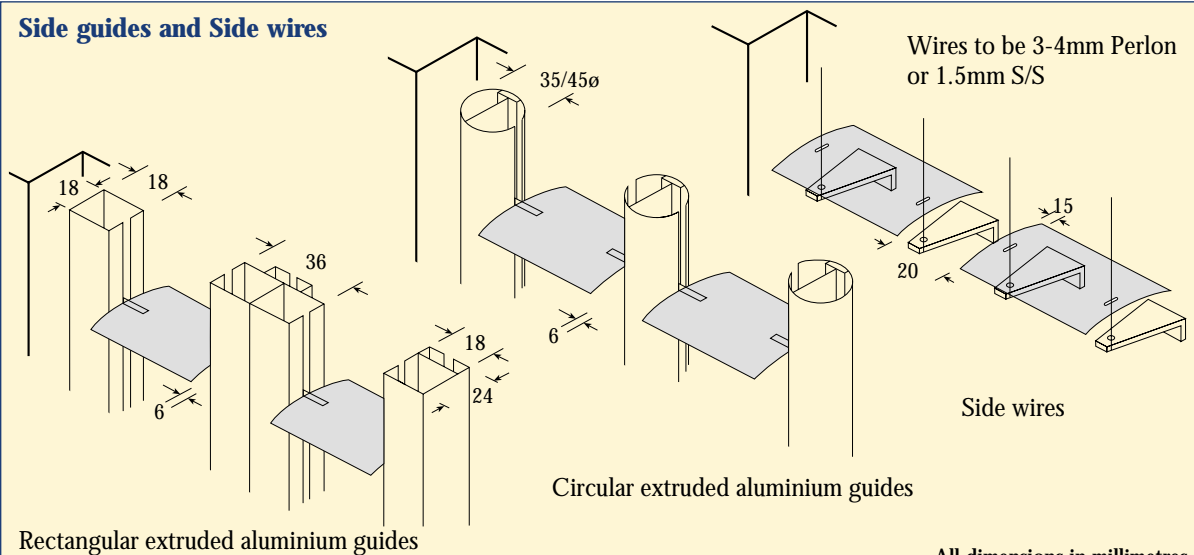


Sizes: 4050C 4060C 4060R 4080C 4080R 4100C 4200-4425  
 C: Crowned slat R: Rolled edge slat

### Headrail and Bottomrail Dimensions



### Side guides and Side wires



Model		Min Dimensions		Max Dims		Max Area	Max Wind Force	Blind Box	Recessed Height
		Width	Height	Width	Height			Width	For 2.0m high blind
		mm	mm	mm	mm	M <sup>2</sup>		mm	mm
4050fl	Crank	0.6	0.8	5.0	3.0	9	6-7 12-15m/s	384	63
	Motorised	0.6	0.8	5.0	5.0	25			
4060fl	Crank	0.8	0.5	3.6	3.0	12	6-7 12-15m/s	433	709
	Motorised	0.8	0.5	3.6	3.0	20			
4060R	Crank	0.8	0.5	4.8	5.0	12	6-7 12-15m/s	433	270
	Motorised	0.8	0.5	4.8	5.0	20			
4080fl	Crank	0.6	0.8	5.0	3.0	12	6-7 12-15m/s	472	591
	Motorised	0.6	0.8	5.0	6.0	30			
4080R	Crank	0.6	0.8	4.8	3.0	12	6-7 12-15m/s	472	965
	Motorised	0.6	0.8	4.0	3.0	20			
4100f	Crank	0.6	0.8	5.0	3.0	9	6-7 12-15m/s	551	591
	Motorised	0.6	0.8	5.0	6.0	30			

## Specification

Specialist Venetian Blinds to be Levolux  
4050/4060/4080/4100\*/4...

The .....+mm solid/perforated\*, crowned/rolled edge\*  
slats to be from the Levolux standard colour range.

Colour to be .....+.

System to have colour matched head and bottom rails.

Operation to be manual crank handle and gearbox\*/  
electric operation\* with switch\*/fully automatic solar  
control\*.

Blinds to have wire guides/extruded aluminium  
guides.

Blinds to be housed within the building envelope\*  
/standard Levolux housing\*.

Supplied and installed by an Approved Levolux  
distributor.

+ Insert as applicable

\* Delete as applicable

In line with the policy of continuous product development Levolux reserves the right to alter specifications without prior notice.



For further information on Levolux sunscreening systems and effective ways  
to control light, heat and glare please contact:

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