



SOLAR SHADING | BALCONIES | ARCHITECTURAL FACADES

CONNECT.

Levolux is genuinely interested in understanding what is important to you and how you perceive 'value'. Appreciating your perspective ensures that our proposals create value for you; either in the solution itself or the way in which we deliver it. A strong connection between us allows transparent consideration of all choices available to you and the implications on outcome.

H.

COLLABORATE.

Over 35 years of experience of designing and supplying architectural solutions has taught us that each project has a unique set of challenges. We recognise the respective strengths of other stakeholders on the project. By communicating and working with experts that possess specialist knowledge, we can develop the best value solution.

CREATE.

Together we create reliable solutions that are logically developed in the context of your value chain and what is technically, economically and socially achievable. With 200 years' collective experience, our design team is well versed in engineering principles but also understands what is practical in terms of functionality, quality of performance and/or efficient delivery.



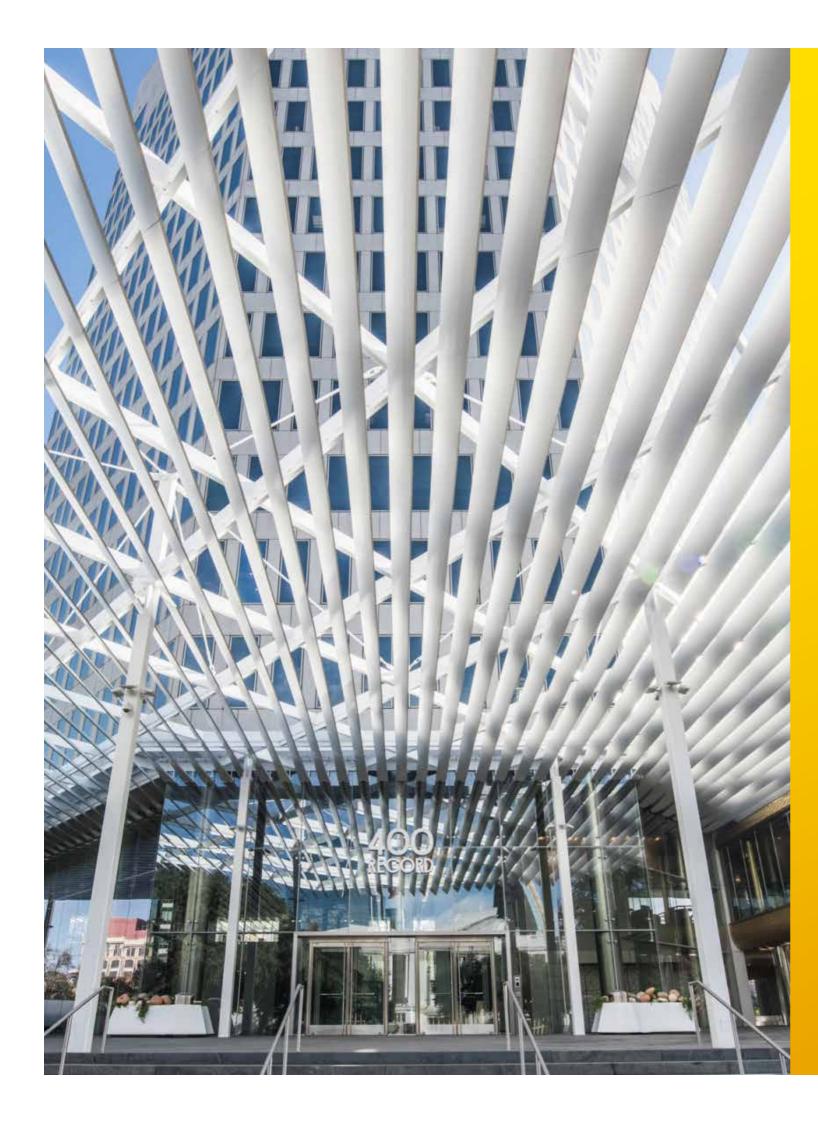


TABLE OF CONTENTS

LEVOLUX

PAGE 4 LEVOLUX SOLAR SHADING SOLUTIONS PAGE 8 **INFINITI FIN SYSTEMS PAGE 10 INFINITI ALUMINUM FINS PAGE 12 INFINITI GLASS FINS PAGE 22 PAGE 28 INFINITI TIMBER FINS** TRINITI BRACKET **PAGE 30** SKYVANE ROOF SHADING & BRISE SOLEIL **PAGE 34** LIGNITI SCREENING SOLUTIONS **PAGE 40** LIGNITI LOUVRES **PAGE 46** SERENITI BALCONIES & BALUSTRADES **PAGE 54**



We add value to our clients by delivering solutions that are differentiated by one or more of:

- O The function performed by the Levolux system
- O The high performance level of the Levolux system
- O The way in which we deliver the solution

LEVOLUX SOLAR SHADING

Energy efficient, aesthetically pleasing and undoubtedly built to last, our solar shading systems can be tailored to address the unique needs of your building.



ARCHITECTURAL FACADES

Make your mark with our high performance facade solutions, which are available in a variety of materials and can be tailored to suit the architectural intent for the building.



LEVOLUX BALCONIES

Our range of contemporary modular balconies includes both bolt-on balconies and juliette balconies. Choose from glass and metal balustrades as part of a balcony or in isolation.



SOLAR SHADING

Optimise your building's performance whilst creating eye-catching architecture with cutting edge solar shading solutions from Levolux.

WHY INVEST IN SOLAR SHADING?

- Comply with the requirements of Document L2 of the Building Regulations and avoid solar overheading.
- Reduce energy consumption through lower air conditioning loads.
- Reduce glare on and from the building.
- Maximise natural daylight transmission into the building.
- Create a cool, comfortable internal envirnoment.
- Choose from a wide array of shapes, styles and finishes or design your own.







LEVOLUX SOLAR SHADING SOLUTIONS

INFINITI Fin Systems



A range of fixed or controllable solar shading fins. A variety of shapes are available, including aerofoil, box and circular. Material choices include aluminium, glass and timber. Secretfix options are available.

SKYVANE Brise Soleil



A range encompasses fixed brise soleil systems and a roof shading rack arm system that can be controlled manually or mechanically in conjunction with a control system.

LIGNITI Screening



A range of screening and vent louvre systems as well as architectural perforated panel systems that can be used to screen car parks and other structures for aesthetic and/or solar control purposes.





INFINITI FIN SYSTEMS

Optimise your building's performance whilst creating eye-catching architecture with cutting edge solar shading solutions from Levolux.







Our aluminium fins are available in a variety of typical profiles and sizes to suit both the structural span and solar shading performance requirements. Finishing options include anodising, polyester powder coated (PPC) finishes to any RAL or BS colour or specialist coatings to mimic natural materials such as timber or terracotta.



Achieve effective solar shading and screening solutions using Levolux Infiniti timber fin systems. Infiniti timber fin systems can also be supplied in louvre format to allow natural ventilation of internal building spaces. Infiniti timber fins are typically produced from either Western red cedar or oak timber.



INFINITI Glass Fins

Our glass fins are available in a variety of typical profiles and sizes to suit both the structural span and solar shading performance requirements. The Infiniti glass range can also be supplied in louvre format to allow natural ventilation of internal building spaces whilst keeping intense sunshine and moisture buildup at bay.



WHY INVEST IN SOLAR SHADING?

- Highly effective solar shading and screening solutions from Levolux Infiniti aluminium fin systems.
- These products are typically specified to shade buildings and car parks to control solar heat gain yet maximise the natural daylight into the building.
- Our aluminium fins are available in a variety of typical profiles and sizes to suit both the structural span and solar shading performance requirements.
- Finishing options include anodising, polyester powder coated (PPC) finishes to any RAL or BS colour or specialist coatings to mimic natural materials such as timber or terracotta.
- Configurable either in a fixed position or as an adjustable system, with options for manual, motor-driven or automaticallyprogrammed adjustment.
- Secret-fix versions are also available.

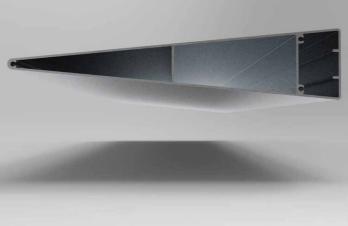
LEVOLUX INFINITI BOX FINS

Available in box profile — also known as square or rectangular fins — with a range of sizes.

Typical widths include 150, 200, 300, 400 and 500mm, all available in depths of 50 and 100mm. Alternative sizes can be designed to suit specific project requirements.

Also available with secret-fix options.





LEVOLUX INFINITI AEROFOIL FINS

Available in aerofoil profile with a range of sizes up to 700mm wide.

Typical sizes include 150, 200, 300, 400 and 500mm. However, other sizes can be designed to suit specific project requirements.

Options are also available for secret-fix fin solutions.



LEVOLUX INFINITI BESPOKE FINS

Available in a range of profiles and sizes up to 700mm wide.

Typical profiles include triangular, trapezoidal, teardrop, diamond, circular or oval shapes.



FEATURES & BENEFITS

ITEM: LEVOLUX INFINITI ALUMINIUM AEROFOIL FIN SYSTEM

Materials / Finish as delivered:

Louvre blades: Extruded aluminium, 6000 series alloy, [Polyester Powder Coated to RAL ____ / Anodised to _____] Side support arms: Extruded aluminium, 6000 series alloy, [Polyester Powder Coated to RAL ____ / Anodised to

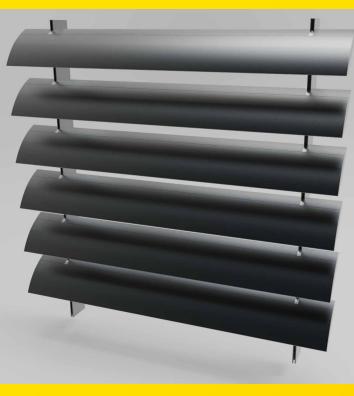
Mounting brackets: ______ Support struts: ______ Fasteners: M8 stainless steel bolts Accessories: End Caps.

Supplied and installed by an approved Levolux distributor.

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

+Insert as applicable *Delete as applicable

SYSTEM CONFIGURATION





TECHNICAL DATA

PROFILE	WEIGHT (KG/M)	TYPICAL SPAN (M)
150 x 38 mm	1.8	2.2 - 2.7
200 x 51 mm	2.5	2.6 - 3.1
250 x 51 mm	3.8	3.0 - 3.6
300 x 56 mm	4.8	3.2 - 3.9
400 x 63 mm	7.3	3.7 - 4.5
450 x 85 mm	8.9	4.2 - 5.1
700 x 150 mm	20.4	8.0 - 9.8

FEATURES & BENEFITS

PROFILES

Available in a range of profile sizes to suit the load / span requirement, as well as the solar shading performance and aesthetic.

FINISHES

Typically supplied with a polyester powder coating or anodised finish, with a choice of colours and textures. Different grades are available to suit the environment, whether standard, industrial or marine.

CONNECTIONS

Options to:

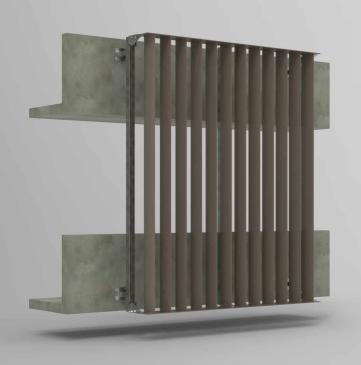
- Fix at ends with structural end cap (vertical)
- Fix at ends to side plates (horizontal)
- Secret-fix clips along length (vertical or horizontal)

DETAILS

Options to finish head, cill or jamb details with flashing or simple end caps.









FEATURES & BENEFITS

ITEM: LEVOLUX INFINITI ALUMINIUM AEROFOIL FIN SYSTEM

Materials / Finish as delivered:

Louvre blades: Extruded aluminium, 6000 series alloy, [Polyester Powder Coated to RAL ____/ Anodised to _____] Side support arms: Extruded aluminium, 6000 series alloy, [Polyester Powder Coated to RAL ____/ Anodised to

Mounting brackets: ______ Support struts: ______ Fasteners: M8 stainless steel bolts Accessories: End Caps.

Supplied and installed by an approved Levolux distributor.

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

+Insert as applicable *Delete as applicable

TECHNICAL DATA

PROFILE	WEIGHT (KG/M)	TYPICAL SPAN (M)
150 x 38 mm	1.8	2.2 - 2.7
200 x 51 mm	2.5	2.6 - 3.1
250 x 51 mm	3.8	3.0 - 3.6
300 x 56 mm	4.8	3.2 - 3.9
400 x 63 mm	7.3	3.7 - 4.5
450 x 85 mm	8.9	4.2 - 5.1
700 x 150 mm	20.4	8.0 - 9.8

FEATURES & BENEFITS

PROFILES

Available in a range of profile sizes to suit the load / span requirement, as well as the solar shading performance and aesthetic. Aerofoil fins for mounting between side plates or structural endcaps, can be positioned as a projecting brise soleil system or a screen across the front of the building.

FINISHES

Typically supplied with a polyester powder coating or anodised finish, with a choice of colours and textures. Different grades are available to suit the environment, whether standard, industrial or marine.

CONNECTIONS

Options to:

- Fix at ends with structural end cap (vertical)
- Fix at ends to side plates (horizontal)

DETAILS

Options to finish head, cill or jamb details with flashing or simple end caps.





FEATURES & BENEFITS

ITEM: LEVOLUX INFINITI ALUMINUM BOX FIN SYSTEM

Materials / Finish as delivered:

Louvre blades: Extruded aluminium, 6000 series alloy, [Polyester Powder Coated to RAL ____ / Anodised to _____] Side support arms: Extruded aluminium, 6000 series alloy, [Polyester Powder Coated to RAL ____ / Anodised to

Mounting brackets: ______ Support struts: ______ Fasteners: M8 stainless steel bolts Accessories: End Caps.

Supplied and installed by an approved Levolux distributor.

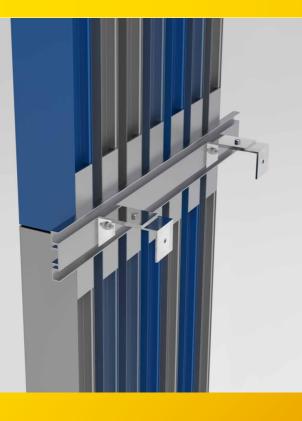
In line with our policy of continuous product development, Levolux reserves the right to alter specifications without prior notice.

+Insert as applicable *Delete as applicable

TECHNICAL DATA

PROFILE	WEIGHT (KG/M)	TYPICAL SPAN (M)
PROFILE		ITPICAL SPAN (M)
200 x 50mm	3.8	3.6 - 4.4
300 x 50 mm	5.5	3.7 - 4.5
300 x 100 mm	7.7	6.5 - 7.9
400 x 100 mm	10.1	6.5 - 7.9
400 x 50 mm	8.7	3.0 - 3.7
500 x 50 mm	11.5	4.0 - 4.9





FEATURES & BENEFITS

PROFILES

Available in a range of profile sizes to suit the load / span requirement, as well as the solar shading performance and aesthetic.

FINISHES

Typically supplied with a polyester powder coating or anodised finish, with a choice of colours and textures. Different grades are available to suit the environment, whether standard, industrial or marine.

CONNECTIONS

Options to:

- Fix at ends with structural end cap (vertical)
- Fix at ends to side plates (horizontal)
- Secret-fix clips along length (vertical or horizontal)

DETAILS

Options to finish head, cill or jamb details with flashing or simple end caps.





FEATURES & BENEFITS

ITEM: LEVOLUX INFINITI ALUMINUM BESPOKE FIN SYSTEM

Materials / Finish as delivered:

Louvre blades: Extruded aluminium, 6000 series alloy, [Polyester Powder Coated to RAL _____ / Anodised to _ Side support arms: Extruded aluminium, 6000 series alloy, [Polyester Powder Coated to RAL_____/ Anodised to

Mounting brackets: Support struts: Fasteners: M8 stainless steel bolts Accessories: End Caps.

Supplied and installed by an approved Levolux distributor.

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

+Insert as applicable *Delete as applicable

TECHNICAL DATA





INFINITI **TRIANGULAR 300**



FINISHES Polyester Powder Coated | Anodised

> WEIGHT c. 4.4 kg/m

TYPICAL SPAN

3.0 - 3.6m

INFINITI

DIAMOND 250

SIZE

250mm

FINISHES

Polyester Powder Coated Anodised

WEIGHT

c. 3.6 kg/m

INFINITI

SIZE 300mm

FINISHES Polyester Powder Coated Anodised

> WEIGHT c. 5.5 kg/m

TYPICAL SPAN 3.2 - 4.0m



INFINITI OVAL 90 x76

90 x 76mm

FINISHES Polyester Powder Coated Anodised

> WEIGHT c. 2.3 kg/m

TYPICAL SPAN 2.2 - 2.7m

SIZE

TYPICAL SPAN 3.0 - 4.0m



FEATURES & BENEFITS

PROFILES

Available in a range of profile sizes to suit the load / span requirement, as well as the solar shading performance and aesthetic.

FINISHES

Typically supplied with a polyester powder coating or anodised finish, with a choice of colours and textures. Different grades are available to suit the environment, whether standard, industrial or marine.

CONNECTIONS

Options to:

- Fix at ends with structural end cap (vertical)
- Fix at ends to side plates (horizontal)
- Secret-fix clips along length (vertical or • horizontal)

DETAILS

Options to finish head, cill or jamb details with flashing or simple end caps.



TEARDROP 300



INFINITI TAPERED BOX 270 x 109

SIZE 270 x 109mm

FINISHES Polyester Powder Coated | Anodised

> WEIGHT c. 10.7 kg/m

TYPICAL SPAN 7.5 - 9.2m



INFINITI TRAPEZOIDAL

> SIZE 77 x 25mm

FINISHES Polyester Powder Coated Anodised

> WEIGHT c. 1.0 kg/m

TYPICAL SPAN 1.8 - 2.2m

INFINITI GLASS FINS

GLASS SOLAR SHADING FIN SYSTEM

WHY INVEST IN INFINITI GLASS FINS?

- We combine Levolux Infiniti glass fins and louvre systems to create innovative solar shading and screening solutions to suit virtually any building, in any location.
- Our products are typically specified to shield glazed building envelopes from direct sunlight and control solar heat gain whilst still maximising natural daylight into the building.
- The Infiniti glass range can also be supplied in louvre format to allow natural ventilation of internal building spaces whilst keeping intense sunshine and moisture build-up at bay.

- Our fins and louvres are available in a variety of shapes and sizes depending on your shading or screening requirements.
- Infiniti glass fins can be supplied in clear or printed / coloured formats, or covered with PV for additional shading and heat reduction properties.
- Infiniti glass products can all be configured either in a fixed position or with options for manual, motor-driven or automaticallyprogrammed adjustment to make manoeuvring the system simple. Levolux will always consult with you to find the most suitable solution.

LEVOLUX GLASS FINS

Levolux INFINITI Glass Louvre systems create innovative solar shading and screening solutions to suit virtually any building, in any location.



LEVOLUX GLASS PV FINS

Levolux INFINITI Glass PV Fins is a framed solar panel that is soldered, laminated, framed and wired.



LEVOLUX GLASS LOUVRES

Levolux INFINITI Glass Louvre systems allow natural ventillation of internal building spaces whilst keeping intense sunshine and moisture build-up at bay.





SPECIFICATION

ITEM: LEVOLUX INFINITI EXTERNAL GLASS FIN SYSTEM

Description: Fixed external laminated glass louvre system. The glass comprises of two sheets of clear toughened heat soak tested to BS EN 12150-2 BSI Standard.

Glass to have polished edges all round Glass thickness to depend on span and wind load conditions. Polyvinyl butyral UPB interlayer colour and opacity on request

The glass fins are to be clamped or bolted each end using bespoke details, which are fixed to a suitable structure. Finish: All steel and aluminium components to be polyester powder coated to standard solid RAL colour. Dimensions: As shown on drawings.

Fixing: Hexagonal head Stainless Steel fixings.

Manufacturer and reference: Levolux 9000 Glass Fin system supplied and installed by Levolux Ltd. Tel: +44 (0) 1744 648 478, E: info@levolux.com

Supplied and installed by an approved Levolux distributor.

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

TECHNICAL DATA





GLASS PV FINS

GLASS SPECIFICATION Laminated Glass

GLASS THICKNESS 0.7 inch 0.8 inch 1 inch

FINISHES Clear | Printed | Etched

CONFIGURATION Custom-manufactured panel sizes

GLASS SPECIFICATION Laminated Glass

GLASS THICKNESS 0.7 inch 0.8 inch 1 inch

FINISHES Clear Printed Etched

CONFIGURATION Custom-manufactured panel sizes

FEATURES & BENEFITS

PROFILES

Available in a range of profile sizes to suit the load / span requirement, as well as the solar shading performance and aesthetic.

FINISHES

Typically supplied with a choice of clear, printed or etched finish, with a choice of colors and textures. Different grades are available to suit the environment, whether standard, industrial or marine.

CONNECTIONS

Options to:

- Secure at ends with structural end cap (vertical)
- Secure at ends to side plates (horizontal)
- Conceal clips along length (vertical or . horizontal)

DETAILS

Options to finish head, cill, or jamb details with flashing or simple end caps.



GLASS FINS



GLASS LOUVRES

GLASS SPECIFICATION Laminated Glass

GLASS THICKNESS 0.7 inch 0.8 inch 1 inch

FINISHES Clear | Printed | Etched

CONFIGURATION Custom-manufactured panel sizes



INFINITI TIMBER FINS

TIMBER FIN SYSTEMS & LOUVRES

WHY INVEST IN INFINITI TIMBER FINS?

- Achieve effective solar shading and screening solutions using Levolux Infiniti timber fin systems.
- These products are typically specified to protect buildings from solar heat gain yet allow natural daylight into the building.
- The choice of timber fins is generally attributable to the sustainable sourcing of the timber material.
- Infiniti timber fin systems can also be supplied in louvre format to allow natural ventilation of internal building spaces.

- These products are available in a variety of shapes and sizes, depending on your shading or screening requirements.
- Infiniti timber fins are typically produced from either Western red cedar or oak timber.
- Infiniti timber louvres and fins can all be configured either in a fixed position or as an adjustable system with options for manual, motor-driven or automatically-programmed adjustment.

LEVOLUX INFINITI BOX FINS

Available in box profile — also known as square or rectangular fins — with a range of sizes.

Typical widths include 150, 200, 300, 400 and 500mm, all available in depths of 50 and 100mm. Alternative sizes can be designed to suit specific project requirements.





LEVOLUX INFINITI AEROFOIL FINS

Available in aerofoil profile with a range of sizes up to 700mm wide.

Typical sizes include 150, 200, 300, 400 and 500mm. However, other sizes can be designed to suit specific project requirements.



LEVOLUX INFINITI BESPOKE FINS

Available in a range of profiles and sizes up to 700mm wide.

Typical profiles include triangular, trapezoidal, teardrop, diamond, circular or oval shapes.





FEATURES & BENEFITS

PROFILES

Available in a range of profile sizes to suit the load / span requirement, as well as the solar shading performance and aesthetic.

FINISHES

Western Red Cedar.



CONNECTIONS

Options to:

- Fix at ends with structural end cap (vertical)
- Fix at ends to side plates (horizontal)

DETAILS

Options to finish head, cill or jamb details with flashing or simple end caps.

TECHNICAL DATA



TIMBER AEROFOIL 150 x 38 SIZE 150 x 38 mm

FINISHES Western Red Cedar

> WEIGHT c. 1.6 kg/m

TYPICAL SPAN 2.0 - 2.5 m



TIMBER BOX FIN 200 x 50

> SIZE 220 x 50 mm

FINISHES Western Red Cedar

> WEIGHT c. 3.9 kg/m

TYPICAL SPAN 2.4 - 3.0 m



TIMBER TRAPEZOIDAL FIN

SIZE 70 x 25mm

FINISHES Western Red Cedar

> WEIGHT c. 0.8 kg/m

TYPICAL SPAN 1.2 - 1.5m



TIMBER AEROFOIL 200 x 50 SIZE 200 x 50 mm

FINISHES Western Red Cedar

> WEIGHT c. 2.6 kg/m

TYPICAL SPAN 2.4 - 3.0 m



TIMBER

SIZE 300 x 100 mm

FINISHES Western Red Cedar

> WEIGHT c. 11.7 kg/m

TYPICAL SPAN 4.5 - 6.0 m



TIMBER DIAMOND FIN SIZE 250mm

FINISHES Western Red Cedar

> WEIGHT c. 2.2 kg/m

TYPICAL SPAN 2.0 - 2.5m

BOX FIN 300 x 100



TIMBER AEROFOIL 300 x 50

> SIZE 300 x 50 mm

FINISHES Western Red Cedar

> WEIGHT c. 4.7 kg/m

TYPICAL SPAN 2.4 - 3.0 m



TIMBER BOX FIN 400 x 100 SIZE

400 x 100 mm

FINISHES Western Red Cedar

> WEIGHT c. 15.6 kg/m

TYPICAL SPAN 4.6 - 6.0 m



TIMBER TAPERED BOX FIN

SIZE 270 x 109mm

FINISHES Western Red Cedar

> WEIGHT c. 10.6 kg/m

TYPICAL SPAN 4.5 - 6.0m

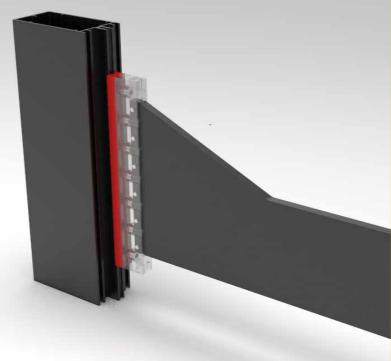


WHAT IS THE LEVOLUX TRINITI® BRACKET?

The Levolux TRINITI® Bracket is a thermally broken bracket designed to interface with virtually all curtain walling profiles, including short nose profiles and designed to meet the demands of Part L2 of the build code, by reducing the risk of interstitial condensation, providing an effective thermal isolation to reduce cold bridging effects and as an effective barrier to noise energy.

WHY INVEST IN THE LEVOLUX TRINITI® BRACKET?

- Highly effective solar shading support system, which has been specially developed and tested to ensure it satisfies the demands of new building codes and regulations.
- It is designed to limit solar heat gain, reduce structural heat loss, prevent interstitial condensation and absorb noise energy.
- The Triniti Bracket is designed to accommodate the full range of Levolux Solar Shading systems.
- Offers a range of impressive benefits including: significant reductions in cold bridging, excellent sound insolation, superior structural integrity and zero interstitial condensation.
- When compared to a standard curtain walling bracket, the Triniti® bracket performs significantly better and is compatible with the full range of Levolux Solar Shading systems.
- Three key attributes: thermal isolation, acoustic isolation and superior strength.

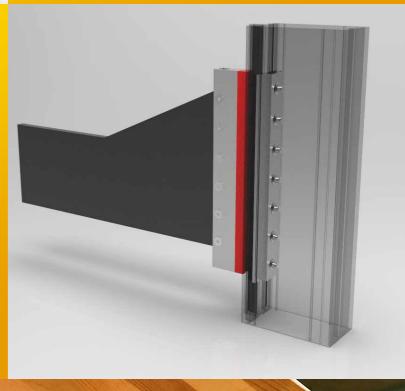


LEVOLUX TRINITI® BRACKET

The Levolux TRINITI® Bracket is a thermally broken bracket designed to interface with virtually all curtain walling profiles

LEVOLUX TRINITI® BRACKET

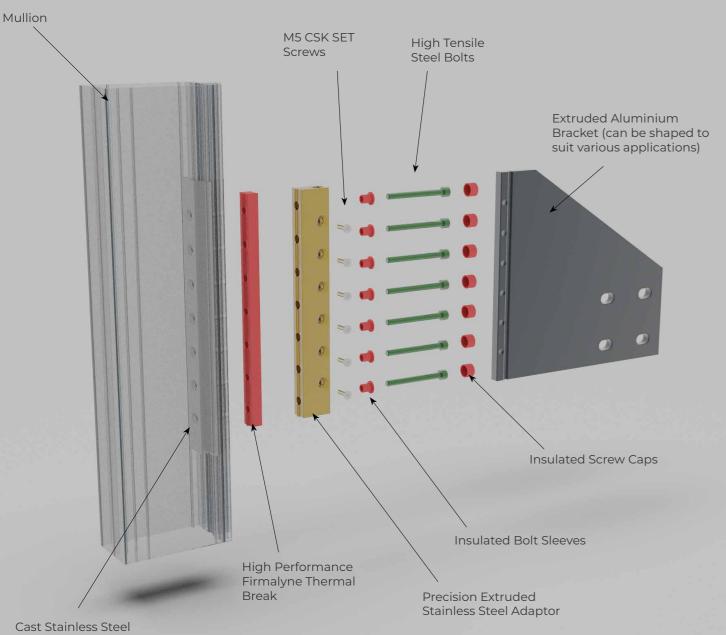
The TRINITI® Bracket is a revolutionary Solar Shading support system for curtain walling, that offers a range of impressive benefits.



LEVOLUX TRINITI® BRACKET

CURTAIN WALLING

SYSTEM CONFIGURATION



Spreader Plate

SPECIFICATION

ITEM: TRINITI® BRACKET

Fixing to the Curtain Walling System to be via the Levolux Triniti® bracket, offering a thermally and acoustically broken, interstitial condensation risk-free system.

The system consists of an extruded, shaped, pre-drilled aluminium bracket, slid into an extruded stainless steel adapter plate and positioned with countersunk stainless steel set screws. The adapter is fixed using high tensile steel bolts through a Firmalyne high performance thermal and acoustic break into a cast stainless steel spreader plate within the curtain walling mullion. The bolts are further isolated using Firmalyne insulated bolt sleeves and screw caps.

The brackets are to be free issued by Levolux to the curtain wall subcontractor/fabricator for installation.

UK Patent No.GB2444257, European design registration number 000832407-0001and OCTApplication No.PCT/ PCT/GB2007/004489

TECHNICAL DATA

FIRE CLASSIFICATION

The Classification of aluminium used in construction products for reaction to fire is Class Al without test (as EU Directive 96/603/EC).

The polyester powder coating has a classification for reaction to fire of A2, s1-d0 according to BS EN 13501-1:2018. For certain residential buildings all attachments are required to have a fire classification of A2-s1, d0 or better. However thermal breaks and gaskets are exempt from this requirement as no suitable commercial materials are available which comply with the above fire specification.

PERFORMANCE - THERMAL

Tested in accordance with BS EN ISO 10211-1&2, BS EN ISO 5250 and BS EN ISO 13788 by CWCT at Bath University.

- The thermally broken bracket has a greatly improved thermal performance compared to conventional aluminium brackets.
- The bracket provides a Point Thermal transmission X value of 0.135W/K.
- The pure improvement of the bracket reducing heat loss at the cold bridge point is up to 70.43%.
- The minimum internal surface temperature of the back of the box is increased by 6.4°C.
- There is no interstitial condensation risk at the surface between the spreader plate and the back box.

PERFORMANCE - ACOUSTIC

- The bracket offers approximately 95% isolation of audible sound being transferred to the building structure.

FEATURES & BENEFITS

MATERIALS

Manufactured from extruded aluminium alloy 6063 T6, stainless steel 316 and Nylon 66.

FINISHES

Polyester powder coated to RAL colours, average 60 microns, to Class 1 or 2; Anodised AA25 natural silver or colours; PVDF or Mill finish.

Sound isolation is effective within the frequency range the human ear is most sensitive with - 2000-5500Hz.

Triniti brackets manage vibration frequencies that can occur in louvres and associated structural components.

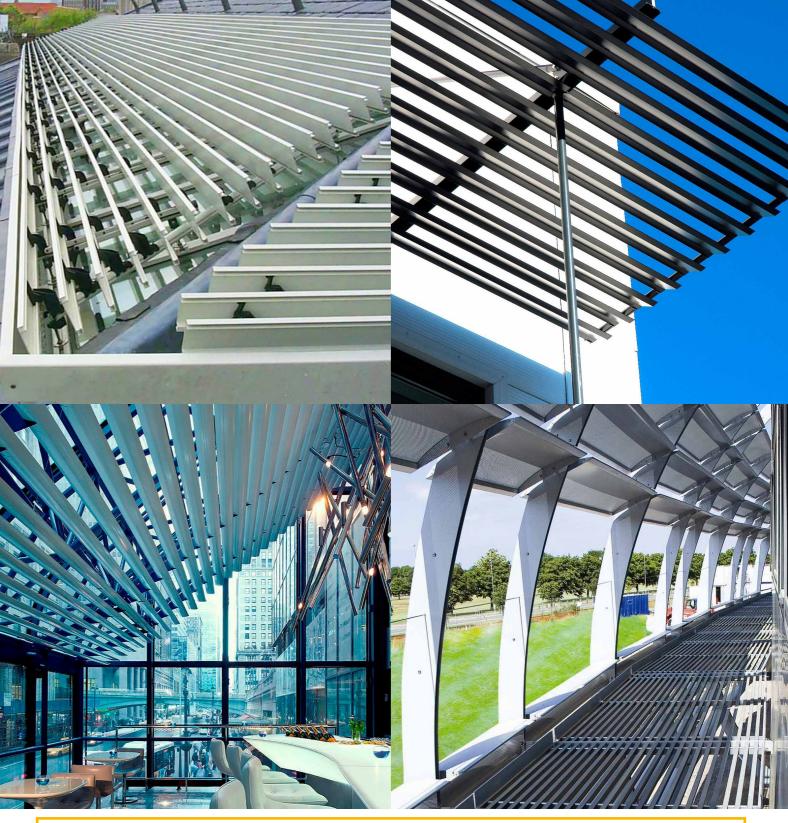
COMPONENT DETAILS

The Triniti[®] bracket incorporates the following components:

- Bracket
- **Stainless Steel Aaptor**
- **Thermal Break**
- **Spreader Plate**
- **Insulated Bolt Sleeve**
- Screw Cap
- High Tensile Socket Cap Head Bolts

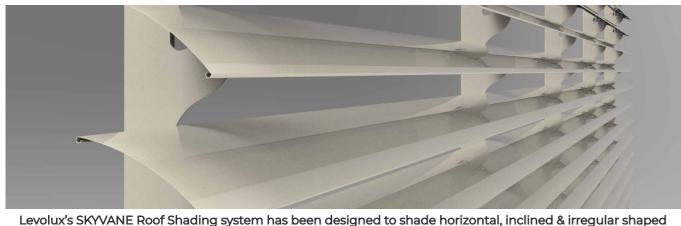
ΚY **VANE ROOF SHADING &** BRISE SOLEIL SYSTEMS

ANE range shading manual or mechanically in conjunction with a control system.



SKYVANE Roof Shading

and for



Levolux's SKYVANE Roof Shading system has been designed to shade horizontal, inclined & irregular shaped glazing. Typically specified as a sun shading / screening solution to control light / glare and solar heat gain through glazed roofs.



SKYVANE Brise Soleil

SKYVANE ROOF SHADING

ROOF SHADING SYSTEMS FROM LEVOLUX

SYSTEM CONFIGURATION

SPECIFICATION

ITEM: LEVOLUX EXTERNAL/ INTERNAL* SKYVANE ROOF SHADING

Fully adjustable non-retractable louvre system to be Levolux Skyvane 675/ 675X/ 680* Internal/External* system. To be assembled complete with extruded aluminium rack arms, UV and heat resistant nylon pivot arm and slat clips, stainless steel fastenings and fixings, and 675/675X* side baffles*.

50/80 mm solid/ perforated slats selected from our Levolux colour range, color ... *75mm extruded aluminium louvres to be anodized or polyester powder coated to any color from the RAL range. System to have manual/electric* operation with switch/remote infra-red/fully automatic solar shading* control. To suit glazed areas.....mm widehigh+ or in accordance with glazed areas as detailed on drawing nos.....+

Supplied and installed by an approved Levolux distributor.

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

+Insert as applicable *Delete as applicable

TECHNICAL DATA



SKYVANE 680 ROOF SHADING

SIZE 80 mm

FINISHES Polyester Powder Coated Anodised

> LOUVRE MATERIAL Aluminum

USE Internal or external. Heavy duty / Long span system

FEATURES & BENEFITS

PROFILES

The Skyvane Roof Shading system is available in two options incorporating 80mm and 75mm blade widths.

FINISHES

Aluminium components are available in mill finish, anodised or polyester powder coated finishes. The 80mm blades are available in solid or perforated options.

The extruded aluminium louvres used in the 75mm system can be anodised or polyester powder coated to any standard RAL color.

COMPONENTS

The Skyvane system comprises of these main components

- 1. Rackarms
- 2. Drive shaft and operating mechanism
- 3. Controls
- 4. Blades







SKYVANE 675 ROOF SHADING

SIZE 75 mm

FINISHES

Polyester Powder Coated Anodised

LOUVRE MATERIAL Aluminum

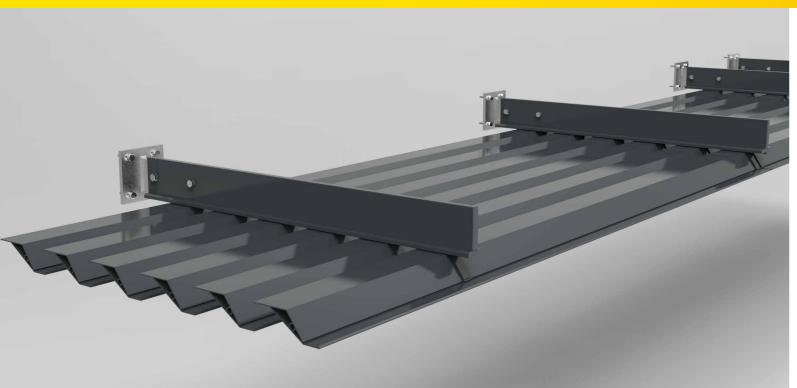
USE

Internal or external requiring high level of dim-out (e.g museums, art galleries etc.)

SKYVANE BRISE SOLEIL

SOLEIL SYSTEMS FROM LEVOLUX

SYSTEM CONFIGURATION



FEATURES & BENEFITS

PROFILES

The SKYVANE Brise Soleil system, utilising simplicity 1. 1st fix brackets and efficiency to produce an effective external "Brise 2. Support arms Soleil" solar shading system, with the option of an integral Walk-On Platform.

FINISHES

Aluminium components are available in mill finish, anodised, or polyester powder coated finishes. Different grades are available to suit the environment, whether standard, industrial, or marine.

COMPONENTS

- 3. Louvres
- 4. 'J' treads
- 5. Braces

DETAILS

1st fix brackets - steel or aluminium fixing brackets is available, including a thermally broken curtain walling bracket.

SPECIFICATION

ITEM: LEVOLUX SKYVANE BRISE SOLEIL

Fixed External Solar Shading System manufactured from extruded aluminium components grade AA 6063 TF using stainless steel fastenings. Completed with a natural anodised/powder coated* finish from the Levolux range. Color ref. RAL/BS....

Louvres to be supplied in 'Z' form with 90mm diagonal face attached via extruded aluminium clips to standard support arms. Standard/bespoke/cladding bracket supports.Support arms finished with end cap of standard color. Width =

Supplied and installed by an approved Levolux distributor.

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

+Insert as applicable *Delete as applicable

TECHNICAL DATA





SKYVANE MATRIX **XL+ BRISE SOLEIL**

> PROFILE 'J' shaped treads

FINISHES Polyester Powder Coated | Anodised

> TYPICAL MAX. SPAN Subject to live loads

SYSTEM COMPONENTS Brackets, support arms and bracing as required

PROFILE 'Z' shaped XL louvre blade

FINISHES Polyester Powder Coated | Anodised

> TYPICAL MAX. SPAN 3.0 m

SYSTEM COMPONENTS Brackets, support arms and bracing as required



SKYVANE MATRIX **XL BRISE SOLEIL**



SKYVANE MATRIX **BRISE SOLEIL**

PROFILE 'Z' shaped louvre blade

FINISHES Polyester Powder Coated | Anodised

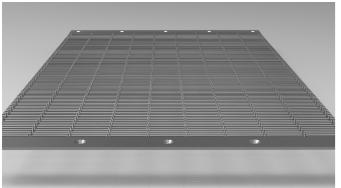
> **TYPICAL MAX. SPAN** 2.25 m

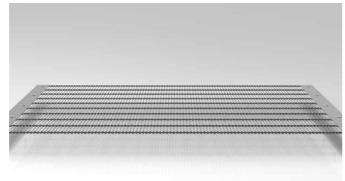
SYSTEM COMPONENTS Brackets, support arms and bracing as required

LIGNITI SCREENING SOLUTIONS

LIGNITI comprises a range of screening and vent louvre systems as well as architectural perforated panel systems that can be used to screen car parks and other structures for aesthetic and/or solar control purposes.

LIGNITI Screening





Levolux decorative screening solutions are a highly innovative area of Levolux's facade screening offer, with customisable solutions to suit specific project aesthetic and performance requirements.



Levolux provides a range of engineered single and double bank louvre systems for building ventiation or plant screening. Levolux offer three types of louvre; Contour Louvres, HP Louvres and Screening Louvres.



LIGNITI Louvres



LIGNITI DECORATIVE SCREENING

PERFORATED SCREENS & PANEL SYSTEMS

WHY INVEST IN LIGNITI DECORATIVE SCREENING?

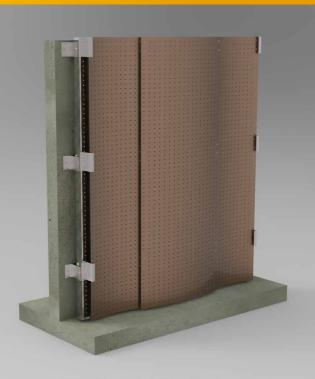
- Ligniti decorative screening solutions are a highly innovative area of Levolux's façade screening offer, with customisable solutions to suit specific project aesthetic and performance requirements.
- Ligniti screens and perforated panels can be used to provide sun screening for buildings and car parks, or simply employed as a highly creative decorative skin.
- Ligniti perforated panels are precision engineered using aluminium or stainless steel to form complex patterns and pictures that can provide insight into your building's purpose or history.

- Ligniti stainless steel mesh screening can provide highly attractive and durable privacy screening for buildings.
- Ligniti bespoke façade solutions are inspired by our customers and brought to life by Levolux's design team, who often reproduce highly specific appearances for each building.
- Ligniti decorative screening solutions are designed and supplied as a holistic system solution, comprising any support structure, brackets and fixings.

LIGNITI MESH SCREENING

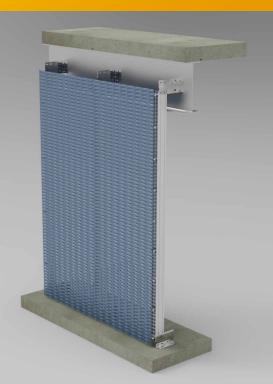
Ligniti stainless steel mesh screening can provide highly attractive and durable privacy screening for buildings.





LIGNITI BESPOKE FACADE

Ligniti bespoke façade solutions are inspired by our customers and brought to life by Levolux's design team, who often reproduce highly specific appearances for each building.



LIGNITI PERFORATED PANELS

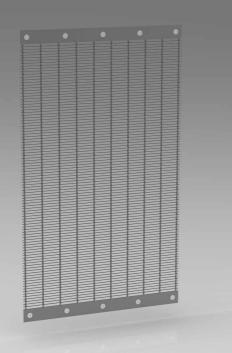
Ligniti perforated panels are precision engineered using aluminium or stainless steel to form complex patterns and pictures that can provide insight into your building's purpose or history.



PERFORATED SCREEN & PANEL SYSTEMS

SYSTEM CONFIGURATION





TECHNICAL DATA





BESPOKE FACADE

FINISHES Polyester Powder Coated | Anodised

> MATERIAL Aluminium

CONFIGURATION Individual profiles Interconnecting Extrusions Frame-mounted

SYSTEM COMPONENTS Connections & fixings | Frame

MATERIAL Stainless Steel Aluminium

CONFIGURATION Woven Mesh | Fin Profile | Panel

SYSTEM COMPONENTS Brackets & Fixings | Carrier Systems

FEATURES & BENEFITS

PROFILES

Available in a range of profile sizes to suit the load / span requirement, as well as the sun shading performance and aesthetic.

FINISHES

Typically supplied with a choice of polyester powder coated or anodised, with a choice of colors and textures. Different grades are available to suit the environment, whether standard, industrial, or marine.

CONNECTIONS

Options for:

- Individual profiles
- Interconnecting extrusions •
- Frame mounted

DETAILS

Options to finish head, cill, or jamb details with flashing or simple end caps.





MESH SCREENING PANELS

Expanded Mesh



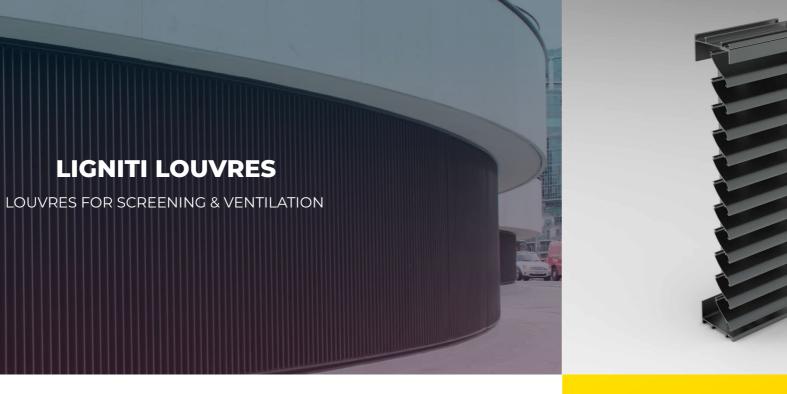
PERFORATED PANELS

FINISHES Polyester Powder Coated | Anodised Brushed & polished Stainless Steel

> MATERIAL Aluminium | Stainless Steel

CONFIGURATION Image replication | Patterned Circular Customised perforations

SYSTEM COMPONENTS Brackets & Fixings | Carrier Systems



WHY INVEST IN LIGNITI LOUVRES?

- Levolux provides a range of engineered single and double bank louvre systems for building ventilation or plant screening.
- HP louvres are available with 50 or 75 mm pitch blades for enhanced air flow and protection against rain penetration.
- Ligniti vent louvres are available in either single bank (Contour) or double bank (HP) format.
- Contour louvres are available with 50, 75 or 100 mm pitch blades and provide good air flow where some water penetration can be tolerated.

- Our Ligniti screening system provides attractive screening for plant areas where rain penetration is not a concern (e.g. roof spaces).
- Levolux louvre systems are installed quickly and efficiently thanks to our unique clip connection system.
- These products are available in a variety of finishes, including natural, anodised or polyester powder coated in a range of colours.

LIGNITI HP

An efficient, simple and effective weather high performance ventilation louvre that has achieved the combination of airflow and weatherability without compromise that has eluded other louvre manufacturers over the last 25 years.





LIGNITI CONTOUR

A tried and tested single bank aluminium ventilation louvre system that is available in a variety of finishes, including polyester powder coated to a range of RAL or BS colour an anodised finishes.



LIGNITI SCREENING

Interfaced to the building with extruded aluminium casements or as a vertical screen to plantrooms. Used where airflow is required without any specific weatherability. Aesthetically positioned at any location but particularly suited to roof plantrooms or carparks.





FEATURES & BENEFITS

AESTHETICS

A contoured aerodynamic shape with inherent strength enables this distinctive extruded profile to form a continuous appearance.

EASE OF INSTALLATION

Designed to be flexible, the system can be quickly and easily slotted into universal fixing brackets.

PERFORMANCE

This low maintenance, all aluminium louvre system is one of the most aerodynamically efficient available, with free area of 54.2-60.1%, whilst still providing good weather resistance.

REDUCED ENERGY CONSUMPTION

The low air resistance through the louvre reduces the energy load on the plant equipment reducing capital outlay and running costs.

TECHNICAL DATA

PERFORMANCE - VLS 50, VLS 75 & VLS 100

VLS 50 - Louvres without mesh have an inlet CD of 0.342. Louvres with Levolux standard insect mesh have an inlet CD of 0.269. Nominal free area of 54.2%.

Weatherability Performance						
Vent windspeed (m/s)	0	0.5	1.0	1.5	2.0	2.5
Class rating	A3	B3	B3	C3	C3	D3

VLS 75 - Louvres without mesh have an inlet CD of 0.44. Louvres with Levolux standard insect mesh have an inlet CD of 0.31. Nominal free area of 58.3%.

Weatherability Performance						
Vent windspeed (m/s)	0	0.5	1.0	1.5	2.0	2.5
Class rating	A2	B2	B2	C2	C2	D2

VLS 100 - Louvres without mesh have an inlet CD of 0.449. Louvres with Levolux standard insect mesh have an inlet CD of 0.315. Nominal free area of 60.1%.

Weatherability Performance						
Vent windspeed (m/s)	0	0.5	1.0	1.5	2.0	2.5
Class rating	A2	B2	B2	C2	C2	D2

SPANS

Maximum louvre and mullion spans vary with wind-load and building design. Extra consideration should be given at exposed sites or locations on a building.

Louvre Span Data							
Load	Maximum Span	Maximum Cantilever					
0.9kN/m ²	1225mm	300mm					
1.2kN/m²	1125mm	250mm					
1.5kN/m²	1025mm	200mm					

A cantilever at both ends of the mullion up to 15% of the span is allowable.

Mullion Span Data							
	Load	0.9k	0.9kN/m ²		1.2kN/m ²		N/m²
	Mullion Centres	70mm Mullion	40mm Mullion	70mm Mullion	40mm Mullion	70mm Mullion	40mm Mullion
With or without mesh	1.025	2.75m	1.80m	2.40m	1.60m	2.15m	1.45m
With or without mesh	1.225	2.50m	1.65m	2.25m	1.50m	2.00m	1.30m
With blanking panel	1.025	2.25m	1.50m	2.00m	1.30m	1.75m	1.15m
With blanking panel	1.225	2.00m	1.35m	1.80m	1.20m	1.60m	1.05m

BLADE DETAIL













FEATURES & BENEFITS

AESTHETICS

A contoured aerodynamic shape with inherent strength enables this distinctive extruded profile to form a continuous appearance.

EASE OF INSTALLATION

Designed to be flexible, the system can be quickly and easily slotted into universal fixing brackets.

PERFORMANCE

This low maintenance, all aluminium louvre system is one of the most aerodynamically efficient available, with free area of 52%, whilst still providing good weather resistance.

REDUCED ENERGY CONSUMPTION

The low air resistance through the louvre reduces the energy load on the plant equipment reducing capital outlay and running costs.

TECHNICAL DATA

PERFORMANCE - VLS HP50 & VLS HP75

VLS HP50 - Louvres with Levolux standard insect mesh have an inlet CD of 0.288. Nominal free area of 52%.

Weatherability Performance								
Vent windspeed (m/s)	0	0.5	1.0	1.5	2.0	2.5	3.0	3.5
Class rating	A3	A3	A3	A3	A3	B3	C3	C3

VLS HP75 - Louvres with Levolux standard insect mesh have an inlet CD of 0.288. Nominal free area of 52%.

Weatherability Performance								
Vent windspeed (m/s)	0	0.5	1.0	1.5	2.0	2.5	3.0	3.5
Class rating	A2	A2	B2	B2	C2	C2	D2	D2

SPANS

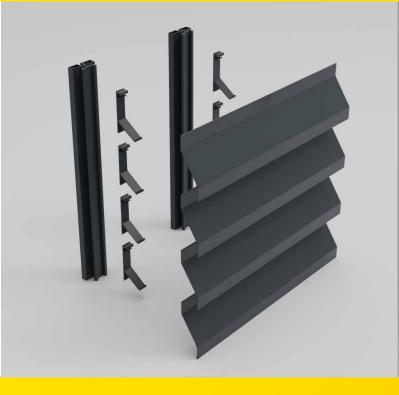
Maximum louvre and mullion spans vary with wind-load and building design. Extra consideration should be given at exposed sites or locations on a building.

Louvre Span Data							
Load	Maximum Span	Maximum Cantilever					
0.9kN/m ²	1225mm	300mm					
1.2kN/m ²	1125mm	250mm					
1.5kN/m²	1025mm	200mm					

A cantilever at both ends of the mullion up to 15% of the span is allowable.

Mullion Span Data							
	Load	0.9kN/m ²		1.2kN/m ²		1.5kN/m²	
	Mullion Centres	70mm Mullion	40mm Mullion	70mm Mullion	40mm Mullion	70mm Mullion	40mm Mullion
With or without mesh	1.025	2.75m	1.80m	2.40m	1.60m	2.15m	1.45m
With or without mesh	1.225	2.50m	1.65m	2.25m	1.50m	2.00m	1.30m
With blanking panel	1.025	2.25m	1.50m	2.00m	1.30m	1.75m	1.15m
With blanking panel	1.225	2.00m	1.35m	1.80m	1.20m	1.60m	1.05m







FEATURES & BENEFITS

AESTHETICS

A contoured aerodynamic shape with inherent strength enables this distinctive extruded profile to form a continuous appearance.

EASE OF INSTALLATION

Designed to be flexible, the system can be quickly and easily slotted into universal fixing brackets.

PERFORMANCE

This low maintenance, all aluminium louvre system is one of the most aerodynamically efficient available, with free area of 30.7%, whilst still providing good weather resistance.

REDUCED ENERGY CONSUMPTION

The low air resistance through the louvre reduces the energy load on the plant equipment reducing capital outlay and running costs.

TECHNICAL DATA

PERFORMANCE - VLS XL140

Louvres without mesh have inlet CD of 0.167 Nominal free area of 30.7%

Weatherability Performance								
Vent windspeed (m/s)	0	0.5	1.0	1.5	2.0	2.5		
Class rating	4	4	4	4	4	4		

SPANS

Maximum louvre and mullion spans vary with wind-load and building design. Extra consideration should be given at exposed sites or locations on a building.

Louvre Span Data					
Load	Maximum Span	Maximum Cantilever			
0.9kN/m ²	1500mm	300mm			
1.2kN/m ²	1350mm	250mm			
1.5kN/m²	1225mm	200mm			

A cantilever at both ends of the mullion up to 15% of the span is allowable. **Options:** Integrated single or double doors, backing systems of either mesh, blanking plate or insulated panelling.

Mullion Span Data								
	Load	0.9kN/m ²		1.2kN/m ²		1.5kN/m ²		
	Mullion Centres	70mm Mullion	40mm Mullion	70mm Mullion	40mm Mullion	70mm Mullion	40mm Mullion	
With or without mesh	1.025	2.75m	1.80m	2.40m	1.60m	2.15m	1.45m	
With or without mesh	1.225	2.50m	1.65m	2.25m	1.50m	2.00m	1.30m	
With or without mesh	1.350	2.35m	1.60m	2.15m	1.40m	1.90m	1.20m	
With or without mesh	1.500	2.25m	1.50m	2.00m	1.30m	1.80m	1.15m	
With blanking panel	1.025	2.25m	1.50m	2.00m	1.30m	1.75m	1.15m	
With blanking panel	1.225	2.00m	1.35m	1.80m	1.20m	1.60m	1.05m	
With blanking panel	1.350	1.75m	1.20m	1.50m	1.15m	1.40m	0.95m	
With blanking panel	1.500	1.50m	1.00m	1.30m	0.90m	1.20m	0.80m	

SERENITI BALCONIES & BALUSTRADES

Ensure your development stands out with a Sereniti balcony from Levolux. Our customisable, modular and prefabricated balcony solutions are guaranteed to provide you with unrivalled choice and industry-leading craftsmanship.

WHY INVEST IN SERENITI BALCONIES?

- Our modular balconies are manufactured off-site for factory-controlled quality.
- All products are fully customisable and based on Levolux's modular balcony design principles.
- Derived from steel-framed structures with a range of decking, balustrade and soffit options.
- Available with non-combustible aluminium decking with slip resistance coating.

\mathbf{i}

This is my second job working with Levolux and the technical input upfront is very good and we found the right fully prefabricated balconies we were after. The on-site delivery in and around Manchester with Levolux is always undertaken very professionally. My client is very pleased with the overall quality of the balconies.



Robert lanson

Senior Project Manager Eric Wright Group

LEVOLUX MODULAR BALCONY SOLUTIONS

SERENITI Balconies

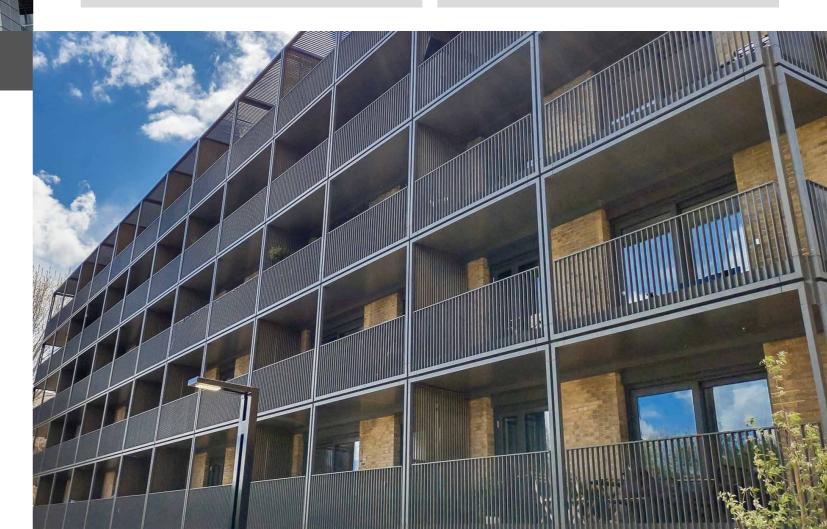


Levolux Sereniti balconies are manufactured in the UK and delivered as pre-assembled units. They will arrive complete with all connections, structural frames, decking, glass or aluminium balustrades, fascias, soffits and drainage solutions.

SERENITI Balustrades



Sereniti balustrade systems are ideal for projects with in situ concrete balconies that can benefit from a contemporary balustrade solution to achieve the desired quality of finish.



- Balustrade choices for all modular balconies include glass, railed aluminium or aluminium panels.
- Our balcony systems are designed to conform with BS 8579, with managed drainage or edge drainage options.
- Soffit profiles can be supplied in anodised or PPC finishes to any RAL colour and are available as a secret-fix profile for enhanced aesthetics.

Levolux have worked with us through the design stage to find a product which suited our needs and then installed the balconies to a high standard, whilst coordinating with the site team and other contractors on site. The end result is a very high standard finish which has been complimented by all parties and stakeholders involved.

77



James Blackshaw

Project Manager Vermont





Levolux incorporates a Design for Manufacture and Assembly (DfMA) approach for Sereniti Bolton Balconies and Balustrading.

In line with the UK Government's 2025 Construction strategy, the Levolux design-led approach aims to support clients in the directive to build:

- 50% faster
- 33% lower costs
- 50% lower carbon emissions

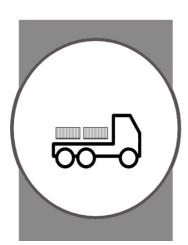
We also aim to design our balcony solutions to improve Quality, Health and Safety as well as consider the issue of the Labour and Skills shortage.

Levolux designs balconies to be fully manufactured and assembled off site in a controlled factory environment. This approach ensures optimal quality control and sustainability - minimising waste, mitigating health and safety risks and reducing time and cost of on-site operations.

Thanks to our extensive experience of working with facades, Levolux also understands the importance of considering how its balconies may interface with other elements of the facade. Early engagement allows our Design Team to work collaboratively with clients to achieve a robust detail.

Levolux also understands the importance of minimising the number of deliveries to site. Through effective planning, Levolux can ensure the Just In Time delivery of balconies to optimise the efficiency of installation whilst being mindful not to increase the carbon footprint of the balconies.







Health &

Safety

Labour &

Skills

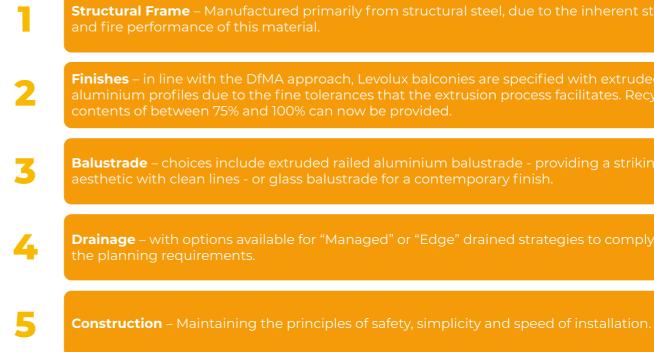
Time

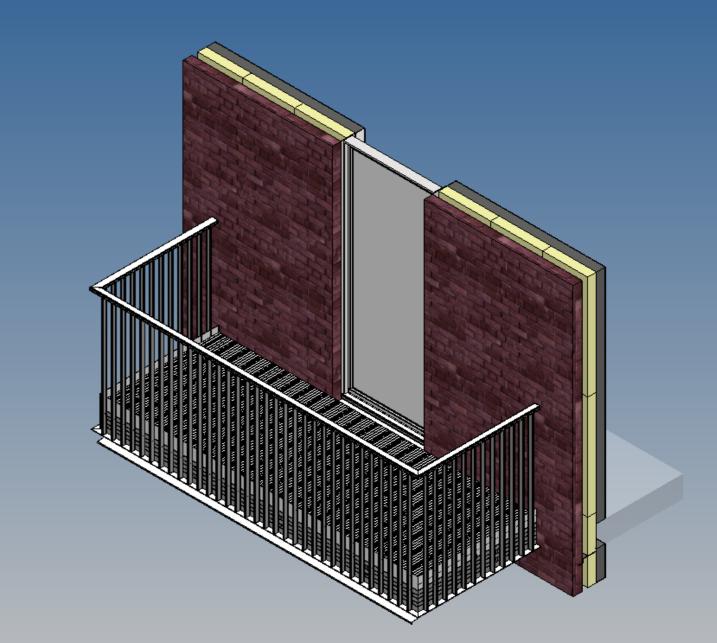
Cost

Sustainability

Quality

LEVOLUX FOCUSES ON THE 5 KEY AREAS OF THE BALCONY





Structural Frame - Manufactured primarily from structural steel, due to the inherent strength

Finishes – in line with the DfMA approach, Levolux balconies are specified with extruded

Balustrade – choices include extruded railed aluminium balustrade - providing a striking

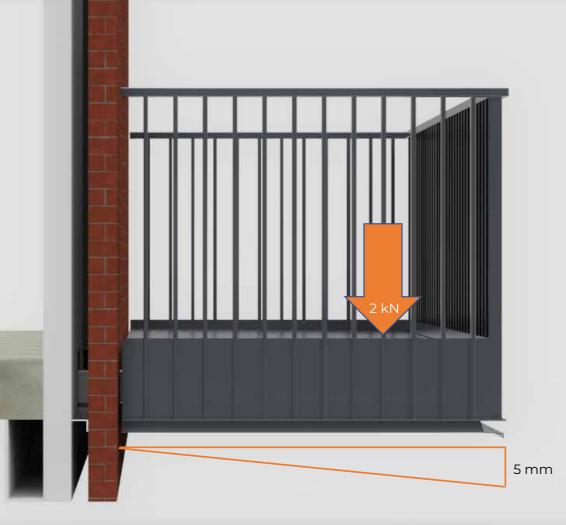
Drainage – with options available for "Managed" or "Edge" drained strategies to comply with



A key performance requirement of any balcony system is the rigidity of the pedestrian surface. Levolux's balcony specifications are designed to ensure that the cast-in connection, first fix bracket, structural frame and pedestrian surface deck combine to limit any deflection to 5 mm or less.

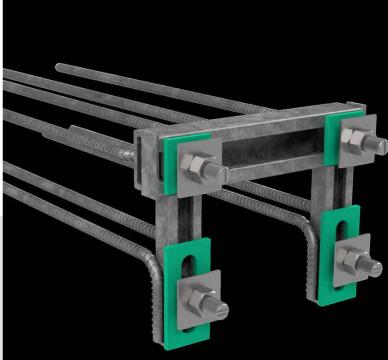
Levolux's balconies are compatible with a number of different cast-in connection types and, indeed, can be fixed directly to steel structures too.

To minimise the number of brackets required - thereby limiting thermal bridging and costs - Levolux recommends the use of **BALCON TM** connections. In addition to its excellent structural performance, the connection is simple to install and provides a good degree of tolerance when fixing brackets.



CAST-IN CONNECTION

The specification of the connection must consider the ReBar layout. Generally, the connection is set at c. 75 mm from the top of the slab so that it avoids any clash with the reinforcement within the concrete slab.

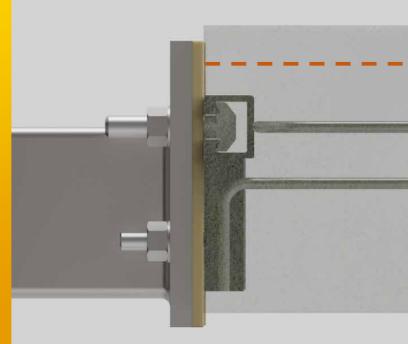


THERMAL BREAK

BS 8579 recommends heat gains or losses from a balcony, together with condensation risks, should be considered as part of the whole-building energy performance model.

A thermal break or thermal barrier is an element of low thermal conductivity placed in an assembly to reduce or prevent the flow of thermal energy between conductive materials.

It is good practise for balcony connections to have a thermal break in order to stop the occurrence of cold bridging at junctions illustrated in the thermal model – this area should always be at a temperature in excess of 17 degrees to avoid condensation.

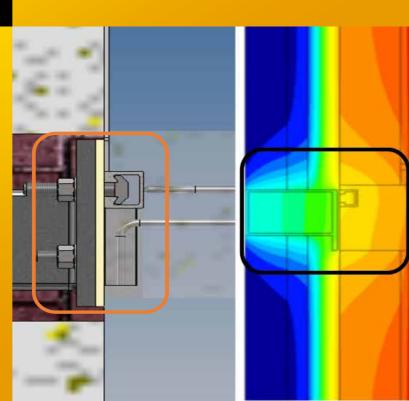


Whilst some connections only provide for vertical adjustment, the BALCON TM cast-in connection also offers 35 mm of rotational adjustability (17.5 mm in each direction).

The structural performance of the connection is also a strong reason for its specification; often facilitating the use of brackets at 2.0 m centres or more.

The BALCON TM connection is available with a choice of 4 different horizontal or vertical channels.

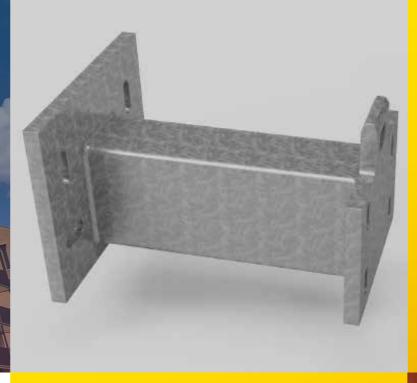
When specifying the BALCON TM 2 connection, this has the added benefit of preventing any vertical creep as a result of serrations in the vertical channel.



BREAM STREET, FISH ISLAND - STRATFORD, LONDON LEVOLUX SERENITI BOLT-ON-BALCONIES

102





Once installed, the bracket will typically protrude 100 mm from the face of the

facade system.

facade; avoiding fouling any scaffold or mast

climbers that may be required to install the

The 100 mm projection provides sufficient access for the installer to be able to fasten

the frame to the bracket from above.

BRACKET & INSTALLATION

LEVOLUX MODULAR BALCONY SYSTEMS

The Levolux first fix bracket has also been developed to reflect the three key principles of design:

- Simplicity providing excellent buildability so that the facade installation can continue without impairment of projecting steelwork.
- 2 Speed incorporating a hook-on design that allows the balcony to be quickly and securely landed onto the bracket
- 3 Safety comprising a locking mechanism so that the frame and bracket are interconnected immediately upon it being landed onto the bracket.

The Levolux first fix bracket / connection interface has been designed based of input from developers, designers and contractors alike ensuring a practical solution is delivered at this critical point of the build.

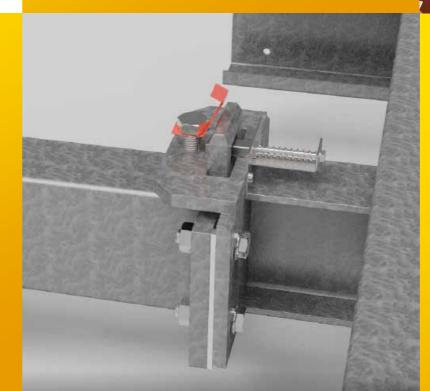
Key considerations include, but not limited to:

- Drainage requirement (door/window sill threshold)
- Firestopping
- Air Tight barrier

- Brick Ties
- Façade Construction / Finish

The Levolux first fix bracket is manufactured from heavy duty structural steel and is simply designed to ensure good detailing:

- A rectangular box section profile spans between plates to ensure simple detailing of fire stops and vapour control layers.
- The positions of the connection plates are off-centre to ensure that facade contractors can easily carry out their works in the vicinity of the brackets.



Each bracket typically weighs c. 25 kg. This allows them to be installed manually without the need for expensive crane time.



The locking mechanism on the frame is engaged immediately upon landing the balcony onto the bracket. The vertical movement of the red retaining clip will be the sign that the spring bolt has released, locking the balcony to the bracket.

Once the balcony is hooked on and locked in place, it is recommended that connections to one bracket are secured from inside the building. At this point, the crane can be released and the balcony can provide a platform to complete the installation.



NON-COMBUSTIBLE PEDESTRIAN SURFACE

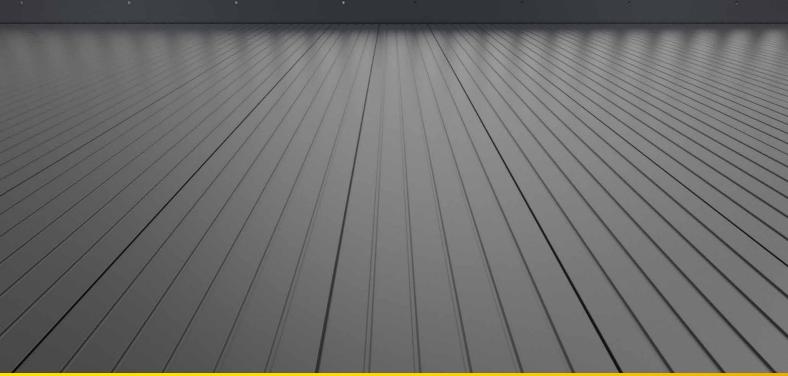
Levolux's balcony specifications can include a variety of pedestrian decking options.

Levolux typically recommends the use of its purpose-designed, non-combustible interlocking aluminium pedestrian decking system. Each profile - manufactured from high precision aluminium extrusion - interconnects with its adjacent piece to provide a continuous cover. This ensures that surface water can be conveyed to the drainage point.

Levolux also offers a more traditional pedestrian surface system, with open joints between each individual decking plank. Here, it is imperative that the design incorporates an impervious noncombustible layer to prevent the passage of objects, liquids or fire.



- Fire rated to class A1 or A2-s1,d0
- Excellent slip resistance (PTV of 36 or greater)
- Choice of colours to achieve the desired aesthetic
- Ease of maintenance due to the use of highly durable aluminium extrusions
- Choice of profiles to suit the desired drainage strategy: - Interlocking planks
 - Individually-laid planks





CHOICE OF DRAINAGE STRATEGY

Edge Drainage is permissible for balconies up to 2.5 m in projection. Where the strategy is for Edge Drainage, Levolux's specification ensures compliance with BS 8579 as:

- Water can be collected on the pedestrian surface and directed to the edge of the balcony.
- The pedestrian surface has a gentle gradient (1:80)
- A drip conveys the discharge at least 30 mm from the vertical surface.

Where the strategy involves Managed Drainage, Levolux's balconies comply with BS 8579 as:





SERENITI BALUSTRADES

CUSTOM MODULAR BALUSTRADE SYSTEMS

WHY INVEST IN SERENITI BALUSTRADES?

- Custom designed modular balustrading solutions for use as balustrades on in situ concrete balconies, terraces, podia and walkways.
- Balustrade material choices include glass, aluminium railings or aluminium panelling.
- Our balustrades are also available as part of the Sereniti modular balcony system.
- Our glass balustrade system ensures a contemporary continuous glass appearance without interruptions caused by vertical support posts.
- A range of glass types and finishes are available to suit your project's specific requirements.

- Toughened monolithic glass is used with our structural handrail systems to provide a continuous balustrade. Suitable for use above 18m.
- Laminated glass systems are available, but applications are restricted by Building Regulations to buildings that are lower than 18m.
- Our aluminium balustrade systems include aluminium railed balustrades – square or tubular balusters – and aluminium perforated screen balustrading.
- Balustrade fixing channels are engineered to suit your requirements, with options to fix to the top or the face of the structural element.

SERENITI BALUSTRADE RAILED

Our aluminium balustrade systems include aluminium railed balustrades – square or tubular balusters – and aluminium perforated screen balustrading.







SERENITI BALUSTRADE GLASS

Toughened Monolithic or Laminated Glass available. Finishes include: Plain, Fritted, Tinted, Etched.



SERENITI BALUSTRADE PANEL

Our Sereniti metal panel balustrades are available in aluminium, patterned or perforated panels.

ARENA CENTRAL - BIRMINGHAM

LEVOLUX SERENITI GLASS BALUSTRADE







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