

CI/SfB | 76.7

Drawing No.

G.A.920/Infin/300/01

Specification

Manufacturer and reference: Levolux 920 Infiniti aerofoil solar shading system supplied and installed by Levolux Limited.

Description: Extruded aluminium continuous appearance aerofoil louvre blade 300mm wide fixed across carrier arm with hidden fixings to blade.

Material: System manufactured from 6000 series extruded aluminium alloys and 316 grade cast stainless steel.

Fire Classification: The Classification of aluminium used in construction products for reaction to fire is Class A1 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.

Finish: Polyester powder coated to RAL ... , average 60 microns / anodised AA25/mill finish/PVDF.

Dimensions: As shown on drawings.

Spans: Maximum spans vary with wind-load and building design and are limited to 1:150 deflection to span ratio.

Load	Maximum Span	Maximum Cantilever
0.9kN/m ²	3700mm	700mm
1.2kN/m ²	3350mm	650mm
1.5kN/m ²	3100mm	600mm

Performance: Louvres to be angled and pitched to eliminate direct sunlight through the louvre screen above 45°, or to suit aesthetic requirements.

Fixing: To subcontractors details. A wide range of stainless, galvanised steel or aluminium fixing brackets is available for different fixing grounds including a thermally broken curtain wall bracket.

Maintenance: Aluminium is corrosion resistant and virtually maintenance free, requiring only periodic cleaning using a solution of mild detergent in warm water with soft cloth or sponge.

Environmental Friendly: Aluminium is 100% recyclable.



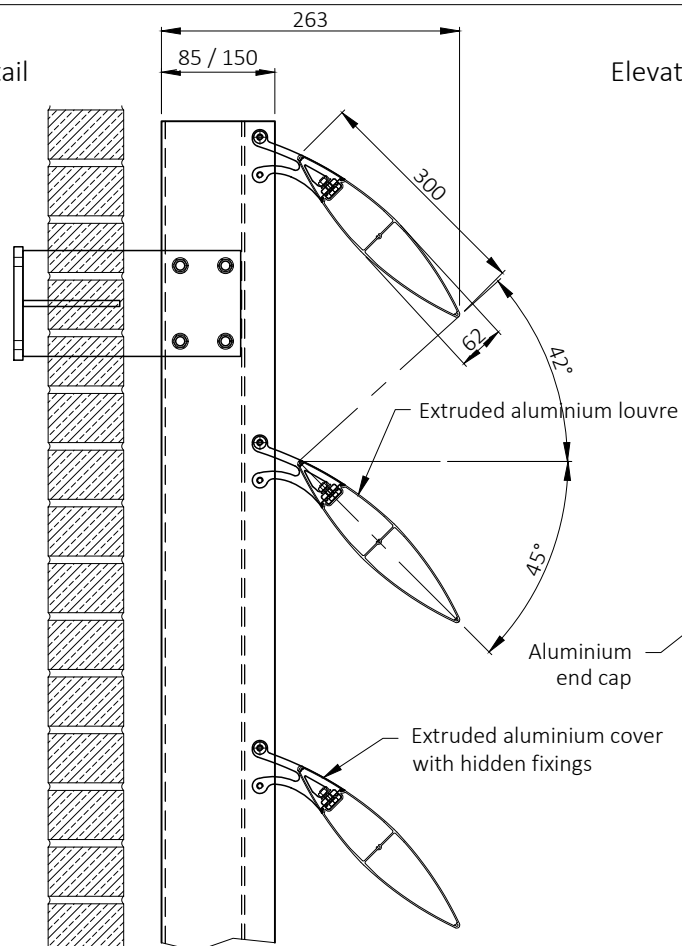
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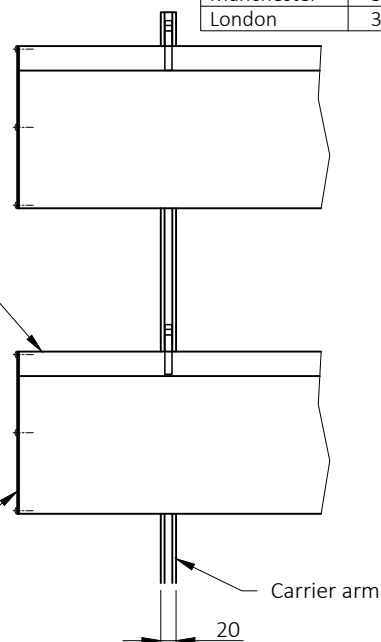
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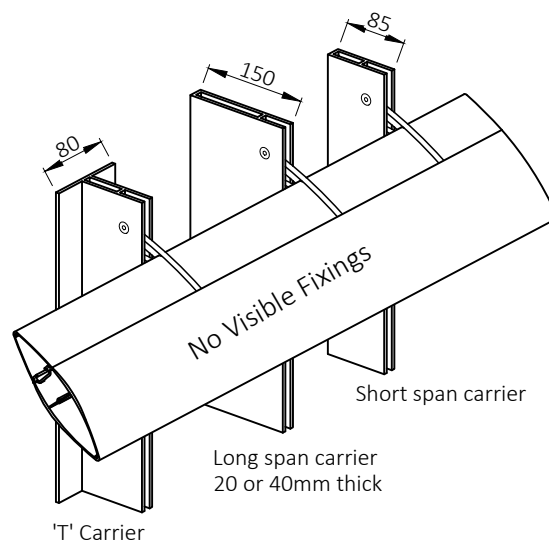
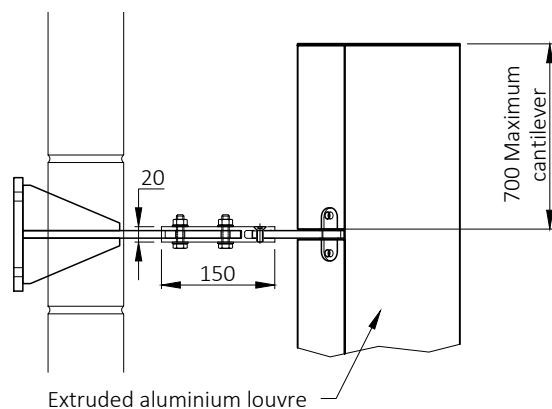
Section Detail



Elevation Detail



Plan Detail



Louvre pitch for varying angles			
Angle	30°	45°	60°
Edinburgh	348	372	375
Manchester	372	390	386
London	386	404	395

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Drawing No.

G.A.920/Infin/300/02



Specification

Manufacturer and reference: Levolux 920 Infiniti aerofoil solar shading system supplied and installed by Levolux Limited.

Description: Extruded aluminium continuous appearance aerofoil louvre blade 300mm wide fixed across carrier arm with hidden fixings to blade.

Material: System manufactured from 6000 series extruded aluminium alloys and 316 grade cast stainless steel.

Fire Classification: The Classification of aluminium used in construction products for reaction to fire is Class A1 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.

Finish: Polyester powder coated to RAL ... , average 60 microns / anodised AA25/mill finish/PVDF.

Dimensions: As shown on drawings.

Spans: Maximum spans vary with wind-load and building design and are limited to 1:150 deflection to span ratio.

Load	Maximum Span	Maximum Cantilever
0.9kN/m ²	3700mm	700mm
1.2kN/m ²	3350mm	650mm
1.5kN/m ²	3100mm	600mm

Performance: Louvres to be angled and pitched to eliminate direct sunlight through the louvre screen above 45°, or to suit aesthetic requirements.

Fixing: To subcontractors details. A wide range of stainless, galvanised steel or aluminium fixing brackets is available for different fixing grounds including a thermally broken curtain wall bracket.

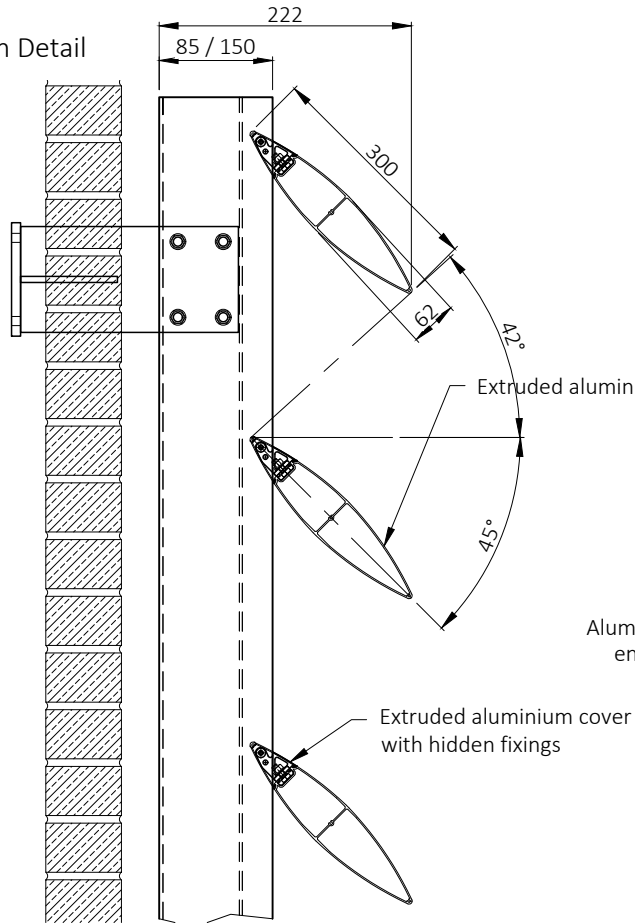
Maintenance: Aluminium is corrosion resistant and virtually maintenance free, requiring only periodic cleaning using a solution of mild detergent in warm water with soft cloth or sponge.

Environmental Friendly: Aluminium is 100% recyclable.

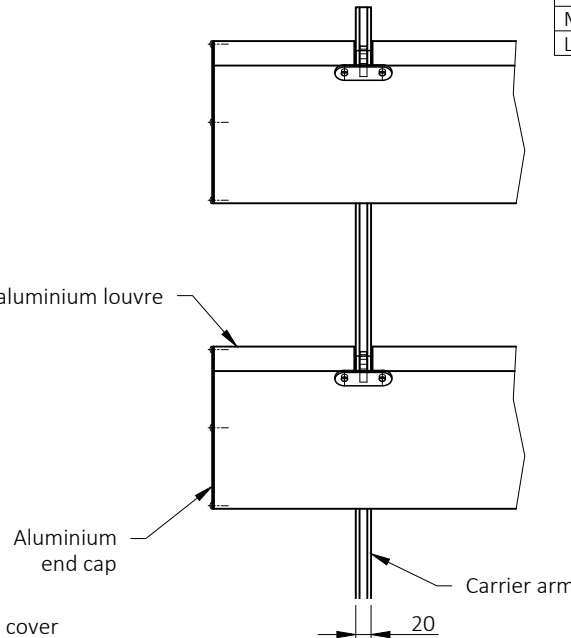


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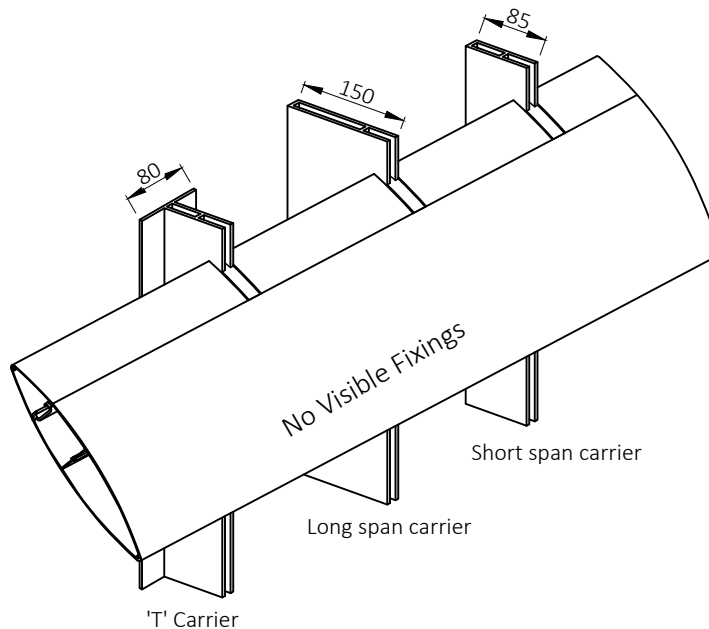
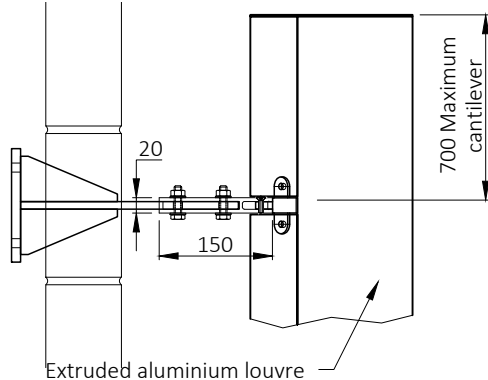
Section Detail



Elevation Detail



Plan Detail



Louvre pitch for various loctions

Angle	45°
Edinburgh	372
Manchester	390
London	404

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Drawing No.

G.A.920/Infin/300/03



Specification

Manufacturer and reference: Levolux 920 Infiniti aerofoil solar shading system supplied and installed by Levolux Limited.

Description: Extruded aluminium continuous appearance aerofoil louvre blade 300mm wide fixed across carrier arm with hidden fixings to blade.

Material: System manufactured from 6000 series extruded aluminium alloys and 316 grade cast stainless steel.

Fire Classification: The Classification of aluminium used in construction products for reaction to fire is Class A1 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.

Finish: Polyester powder coated to RAL ... , average 60 microns / anodised AA25/mill finish/PVDF.

Dimensions: As shown on drawings.

Spans: Maximum spans vary with wind-load and building design and are limited to 1:150 deflection to span ratio.

Load	Maximum Span	Maximum Cantilever
0.9kN/m ²	3700mm	700mm
1.2kN/m ²	3350mm	650mm
1.5kN/m ²	3100mm	600mm

Performance: Louvres to be angled and pitched to eliminate direct sunlight through the louvre screen above 45°, or to suit aesthetic requirements.

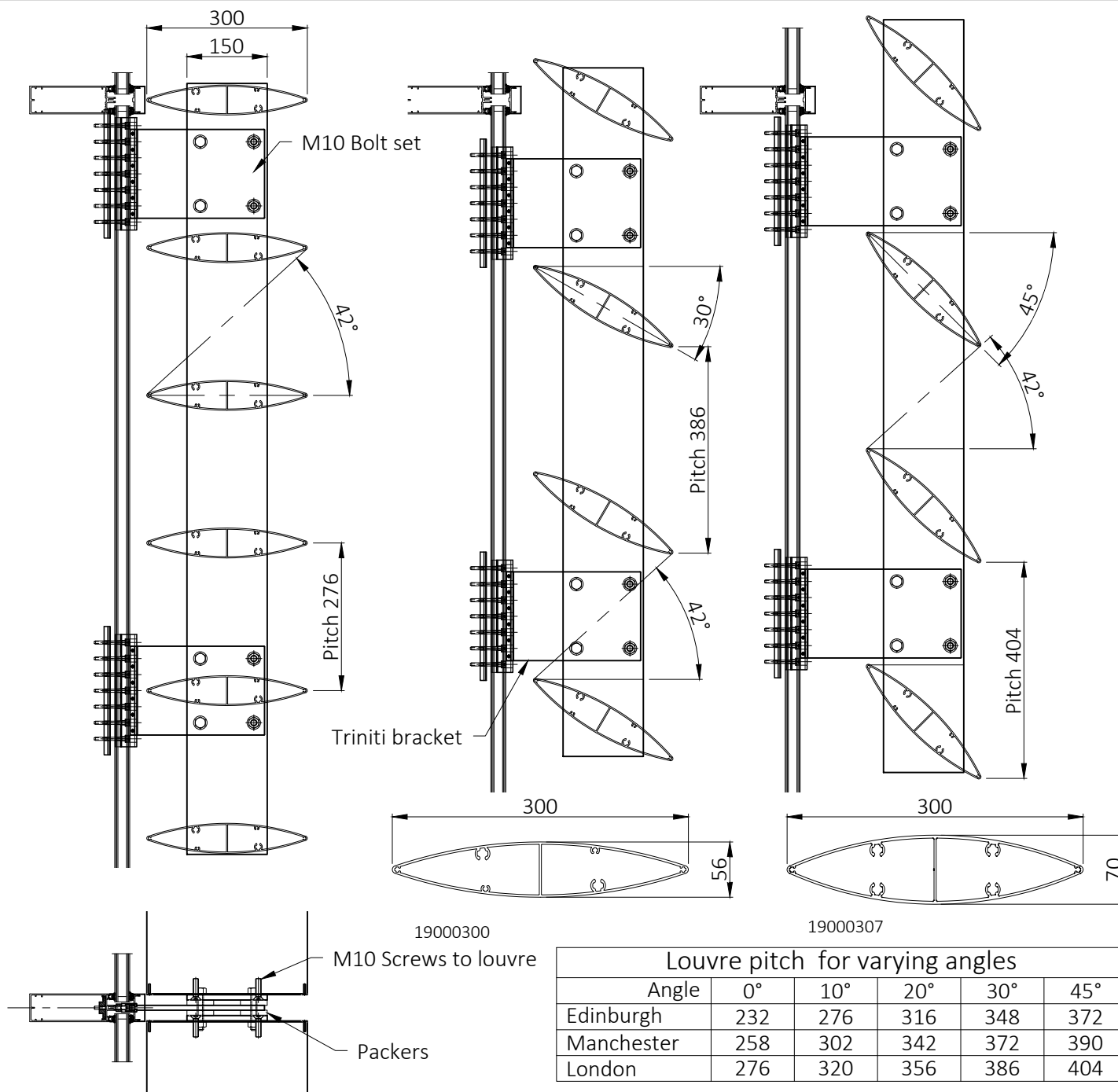
Fixing: To subcontractors details. A wide range of stainless, galvanised steel or aluminium fixing brackets is available for different fixing grounds including a thermally broken curtain wall bracket.

Maintenance: Aluminium is corrosion resistant and virtually maintenance free, requiring only periodic cleaning using a solution of mild detergent in warm water with soft cloth or sponge.

Environmental Friendly: Aluminium is 100% recyclable.



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Louvre pitch for varying angles					
Angle	0°	10°	20°	30°	45°
Edinburgh	232	276	316	348	372
Manchester	258	302	342	372	390
London	276	320	356	386	404

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Drawing No.

G.A.900/Aero/300/02

Specification

Manufacture and Reference: Levolux 900 aerofoil solar shading system supplied and installed by Levolux Limited.

Description: Extruded aluminium aerofoil louvre blade 300x56 or 300x70mm fixed between side plates.

Material: System manufactured from 6000 series aluminium alloys.

Fire Classification: The Classification of aluminium used in construction products for reaction to fire is Class A1 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.

Finish: Polyester powder coated to RAL...., average 60 microns / anodised AA25 / mill finish / PVDF.

Dimensions: As shown on drawings.

Spans: Maximum spans vary with wind-load and building design and are limited to 1:150 deflection to span ratio.

Load	Maximum Span	
	300x56	300x70
0.9kN/m ²	3900mm	4950mm
1.2kN/m ²	3500mm	4400mm
1.5kN/m ²	3250mm	4050mm

Performance: Louvres to be angled and pitched to eliminate direct sunlight through the louvre screen, or to meet aesthetic requirements.

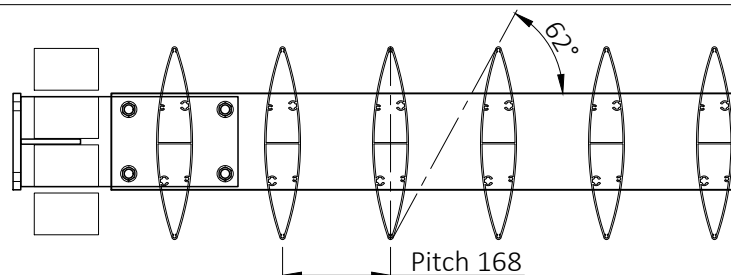
Fixing: To subcontractors details. A wide range of stainless, galvanised steel or aluminium fixing brackets are available for different fixing grounds, including thermally broken curtain walling brackets.

Maintenance: Aluminium is corrosion resistant and virtually maintenance free, requiring only periodic cleaning using a solution of mild detergent in warm water with soft cloth or sponge.

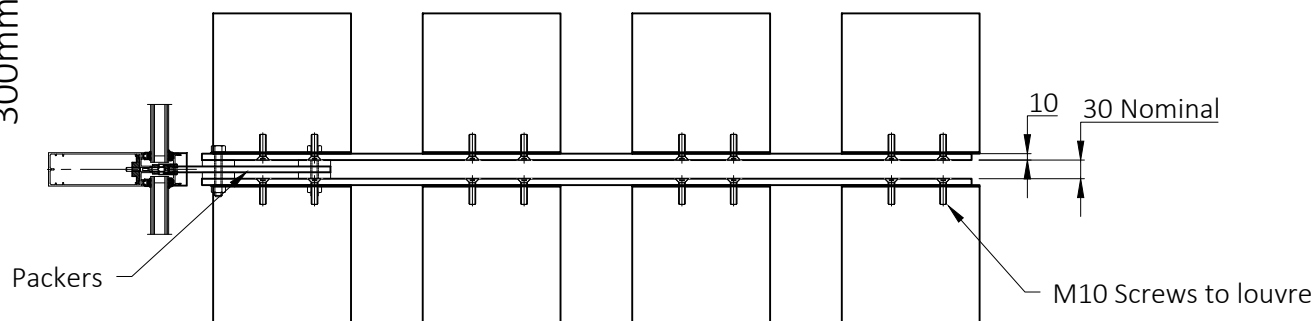
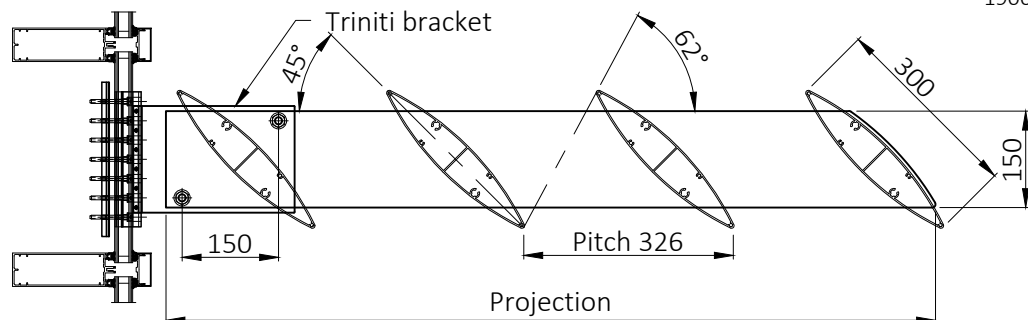
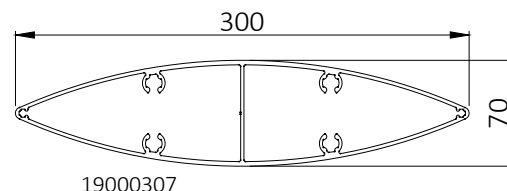
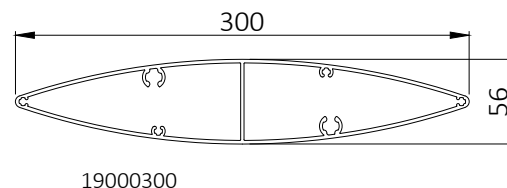
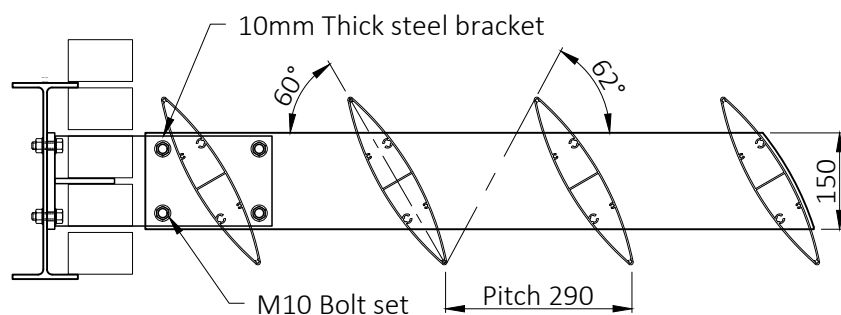
Environmental Friendly: Aluminium is 100% recyclable.



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Louvre pitch for varying angles				
Angle	80°	70°	60°	45°
Edinburgh	250	290	320	350
Manchester	228	268	300	336
London	216	256	290	326



CI/SfB | 76.7

Drawing No.

G.A.900/Aero/300/01



Specification

Manufacture and Reference: Levolut 900 aerofoil solar shading system supplied and installed by Levolut Limited.

Description: Extruded aluminium aerofoil louvre blade 300x56 or 300x70mm fixed between side plates.

Material: System manufactured from 6000 series aluminium alloys.

Fire Classification: The Classification of aluminium used in construction products for reaction to fire is Class A1 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.

Finish: Polyester powder coated to RAL...., average 60 microns / anodised AA25 / mill finish / PVDF.

Dimensions: As shown on drawings.

Spans: Maximum spans vary with wind-load and building design and are limited to 1:150 deflection to span ratio.

Load	Maximum Span	
	300x56	300x70
0.9kN/m ²	3900mm	4950mm
1.2kN/m ²	3500mm	4400mm
1.5kN/m ²	3250mm	4050mm

Performance: Louvres to be angled and pitched to eliminate direct sunlight through the louvre screen, or to meet aesthetic requirements.

Fixing: To subcontractors details. A wide range of stainless, galvanised steel or aluminium fixing brackets are available for different fixing grounds, including thermally broken curtain walling brackets.

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