**PRESCRIPTION LINIUS®**

**RENSON LINIUS®**

**VV\_L\_1\_3001 L.050CL + LD.0065**

Description:  
RENSON LINIUS® CLS L.050CL consists of sections of extruded ALMgSi 0.5 aluminium with a surface treatment specified by the architect. The system consists of mutually connected blades for simple and invisible assembly by clipping the blades into the blade supports included in the system.  
  
Standards:  
• Aluminium alloy: AlMgSi 0.5 (F25)  
- Standard: EN AW-6063  
- Annealing: T66  
• Aluminium pre-treatment:   
- as per DIN 50021 SS  
• Strength calculations based on the following standards:   
- ENV 1999-1-1: Calculation for aluminium structures  
- NBN B-03-002-2: Wind load – Dynamic effects  
- EN 1991-1-4: Wind load  
  
Surface treatment:  
• Anodised in natural colour F1 (20 micron): pre-treated and anodised  
• Polyester powder coating in RAL colours (60 to 80 micron): aluminium profiles pre-treated for corrosion resistance (DIN 5002155) to guarantee a firm powder coating, then heat-coated.  
  
System design:   
• Blades:   
- Mutually connected blades L.050CL, extruded aluminium  
- Dimensions :   
♣ Height : 60 mm  
♣ Depth : 41 mm  
♣ Pitch : 50 mm (20 blades per 1 metre height)  
- Minimum moments of inertia Iy = 51.257 mm4 (strong axial line) ; Iz = 18.328 mm4, with minimum material thickness of 1,4 mm  
- Invisible assembly by clipping the blades into the corresponding blade supports L.050.11 and L.050.12 (for joins)   
- Visual free area : 70%  
• Support structure:   
- Support profile LD.0065 in extruded aluminium: 30 x 6.5 mm  
- Minimum moment of inertia Iy = 261 mm4  
- Blade supports are pre-assembled onto support profile LD.0065.  
- Support profile mounted directly onto the underlying support structure  
- Brackets in corrosion-resistant material  
• Span:   
- Maximum unsupported span of the system described at wind load qb = 800 Pa:   
♣ Blade L.050CL : 2.148 mm  
♣ Support profile LD.0065 : mounted directly onto underlying support structure  
• System depth:   
- Blade L.050CL and support profile: 49,5 mm  
• Optional accessories:  
- Sill LZ.4140 and fixing bracket LZ.4201  
- Premounted pivoting ventilation doors with continuous linear blades (see separate description)

**PRESCRIPTION LINIUS®**

**RENSON LINIUS®**

**VV\_L\_1\_3002 L.050CL + LD.0195**

Description:  
RENSON LINIUS® CLS L.050CL consists of sections of extruded ALMgSi 0.5 aluminium with a surface treatment specified by the architect. The system consists of mutually connected blades for simple and invisible assembly by clipping the blades into the blade supports included in the system.  
  
Standards:  
• Aluminium alloy: AlMgSi 0.5 (F25)  
- Standard: EN AW-6063  
- Annealing: T66  
• Aluminium pre-treatment:   
- as per DIN 50021 SS  
• Strength calculations based on the following standards:   
- ENV 1999-1-1: Calculation for aluminium structures  
- NBN B-03-002-2: Wind load – Dynamic effects  
- EN 1991-1-4: Wind load  
  
Surface treatment:  
• Anodised in natural colour F1 (20 micron): pre-treated and anodised  
• Polyester powder coating in RAL colours (60 to 80 micron): aluminium profiles pre-treated for corrosion resistance (DIN 5002155) to guarantee a firm powder coating, then heat-coated.  
  
System design:   
• Blades:   
- Mutually connected blades L.050CL, extruded aluminium  
- Dimensions :   
♣ Height : 60 mm  
♣ Depth : 41 mm  
♣ Pitch : 50 mm (20 blades per 1 metre height)  
- Minimum moments of inertia Iy = 51.257 mm4 (strong axial line) ; Iz = 18.328 mm4, with minimum material thickness of 1,4 mm  
- Invisible assembly by clipping the blades into the corresponding blade supports L.050.11 and L.050.12 (for joins)   
- Visual free area : 70%  
• Support structure:   
- Support profile LD.0195 in extruded aluminium : 36 x 17,5 mm  
- Minimum moment of inertia Iz = 5.931 mm4  
- Blade supports are pre-assembled onto support profile LD.0195  
- Support profiles are secured using fixing brackets LZ.4211 and LZ.4209 or sliding bracket LZ.4206  
- Brackets in corrosion-resistant material  
• Span:   
- Maximum unsupported span of the system described at wind load qb = 800 Pa:   
♣ Blade L.050CL : 2.148 mm  
♣ Support profile LD.0195 : 469 mm  
• System depth:   
- Blade L.050CL and support profile LD.0195 : 60,5 mm  
• Optional accessories:  
- Sill LZ.4140 and fixing bracket LZ.4201  
- Premounted pivoting ventilation doors with continuous linear blades (see separate description)

**PRESCRIPTION LINIUS®**

**RENSON LINIUS®**

**VV\_L\_1\_3003 L.050CL + LD.0460**

Description:  
RENSON LINIUS® CLS L.050CL consists of sections of extruded ALMgSi 0.5 aluminium with a surface treatment specified by the architect. The system consists of mutually connected blades for simple and invisible assembly by clipping the blades into the blade supports included in the system.  
  
Standards:  
• Aluminium alloy: AlMgSi 0.5 (F25)  
- Standard: EN AW-6063  
- Annealing: T66  
• Aluminium pre-treatment:   
- as per DIN 50021 SS  
• Strength calculations based on the following standards:   
- ENV 1999-1-1: Calculation for aluminium structures  
- NBN B-03-002-2: Wind load – Dynamic effects  
- EN 1991-1-4: Wind load  
  
Surface treatment:  
• Anodised in natural colour F1 (20 micron): pre-treated and anodised  
• Polyester powder coating in RAL colours (60 to 80 micron): aluminium profiles pre-treated for corrosion resistance (DIN 5002155) to guarantee a firm powder coating, then heat-coated.  
  
System design:   
• Blades:   
- Mutually connected blades L.050CL, extruded aluminium  
- Dimensions :   
♣ Height : 60 mm  
♣ Depth : 41 mm  
♣ Pitch : 50 mm (20 blades per 1 metre height)  
- Minimum moments of inertia Iy = 51.257 mm4 (strong axial line) ; Iz = 18.328 mm4, with minimum material thickness of 1,4 mm  
- Invisible assembly by clipping the blades into the corresponding blade supports L.050.11 and L.050.12 (for joins)   
- Visual free area : 70%  
• Support structure:   
- Support profile LD.0460 in extruded aluminium : 36 x 44 mm  
- Minimum moment of inertia Iz = 83.348 mm4  
- Blade supports are pre-assembled onto support profile LD.0460  
- Support profiles are secured using fixing brackets LZ.4211 and LZ.4209 or sliding bracket LZ.4206  
- Brackets in corrosion-resistant material  
• Span:   
- Maximum unsupported span of the system described at wind load qb = 800 Pa:   
♣ Blade L.050CL : 2.148 mm  
♣ Support profile LD.0460 : 1.172 mm  
• System depth:   
- Blade L.050CL and support profile LD.0460 : 87 mm  
• Optional accessories:  
- Sill LZ.4140 and fixing bracket LZ.4201  
- Premounted pivoting ventilation doors with continuous linear blades (see separate description)

**PRESCRIPTION LINIUS®**

**RENSON LINIUS®**

**VV\_L\_1\_3004 L.050CL + LD.0995**

Description:  
RENSON LINIUS® CLS L.050CL consists of sections of extruded ALMgSi 0.5 aluminium with a surface treatment specified by the architect. The system consists of mutually connected blades for simple and invisible assembly by clipping the blades into the blade supports included in the system.  
  
Standards:  
• Aluminium alloy: AlMgSi 0.5 (F25)  
- Standard: EN AW-6063  
- Annealing: T66  
• Aluminium pre-treatment:   
- as per DIN 50021 SS  
• Strength calculations based on the following standards:   
- ENV 1999-1-1: Calculation for aluminium structures  
- NBN B-03-002-2: Wind load – Dynamic effects  
- EN 1991-1-4: Wind load  
  
Surface treatment:  
• Anodised in natural colour F1 (20 micron): pre-treated and anodised  
• Polyester powder coating in RAL colours (60 to 80 micron): aluminium profiles pre-treated for corrosion resistance (DIN 5002155) to guarantee a firm powder coating, then heat-coated.  
  
System design:   
• Blades:   
- Mutually connected blades L.050CL, extruded aluminium  
- Dimensions :   
♣ Height : 60 mm  
♣ Depth : 41 mm  
♣ Pitch : 50 mm (20 blades per 1 metre height)  
- Minimum moments of inertia Iy = 51.257 mm4 (strong axial line) ; Iz = 18.328 mm4, with minimum material thickness of 1,4 mm  
- Invisible assembly by clipping the blades into the corresponding blade supports L.050.11 and L.050.12 (for joins)   
- Visual free area : 70%  
• Support structure:   
- Support profile LD.0995 in extruded aluminium : 36 x 97,5 mm  
- Minimum moment of inertia Iz = 625.740 mm4  
- Blade supports are pre-assembled onto support profile LD.0995  
- Support profiles are secured using fixing brackets LZ.4211 and LZ.4209 or sliding bracket LZ.4206  
- Brackets in corrosion-resistant material  
• Span:   
- Maximum unsupported span of the system described at wind load qb = 800 Pa:   
♣ Blade L.050CL : 2.148 mm  
♣ Support profile LD.0995 : 2.159 mm  
• System depth:   
- Blade L.050CL and support profile: 140,5 mm  
• Optional accessories:  
- Sill LZ.4140 and fixing bracket LZ.4201  
- Premounted pivoting ventilation doors with continuous linear blades (see separate description)

**PRESCRIPTION LINIUS®**

**RENSON LINIUS®**

**VV\_L\_1\_3005 L.050CL + SD.014**

Description:  
RENSON LINIUS® CLS L.050CL consists of sections of extruded ALMgSi 0.5 aluminium with a surface treatment specified by the architect. The system consists of mutually connected blades for simple and invisible assembly by clipping the blades into the blade supports included in the system.  
  
Standards:  
• Aluminium alloy: AlMgSi 0.5 (F25)  
- Standard: EN AW-6063  
- Annealing: T66  
• Aluminium pre-treatment:   
- as per DIN 50021 SS  
• Strength calculations based on the following standards:   
- ENV 1999-1-1: Calculation for aluminium structures  
- NBN B-03-002-2: Wind load – Dynamic effects  
- EN 1991-1-4: Wind load  
  
Surface treatment:  
• Anodised in natural colour F1 (20 micron): pre-treated and anodised  
• Polyester powder coating in RAL colours (60 to 80 micron): aluminium profiles pre-treated for corrosion resistance (DIN 5002155) to guarantee a firm powder coating, then heat-coated.  
  
System design:   
• Blades:   
- Mutually connected blades L.050CL, extruded aluminium  
- Dimensions :   
♣ Height : 60 mm  
♣ Depth : 41 mm  
♣ Pitch : 50 mm (20 blades per 1 metre height)  
- Minimum moments of inertia Iy = 51.257 mm4 (strong axial line) ; Iz = 18.328 mm4, with minimum material thickness of 1,4 mm  
- Invisible assembly by clipping the blades into the corresponding blade supports L.050.11 and L.050.12 (for joins)   
- Visual free area : 70%  
• Support structure:   
- Extruded aluminium support profile SD.014, combined with LD.108: 40 x 14.5 mm  
- Minimum moment of inertia Iz = 37,137.103 mm4  
- Blade supports are pre-assembled onto support profile SD.014  
- Support profile mounted directly onto the underlying support structure  
- Brackets in corrosion-resistant material  
• Span:   
- Maximum unsupported span of the system described at wind load qb = 800 Pa:   
♣ Blade L.050CL : 2.148 mm  
♣ Support profile SD.014 : mounted directly onto underlying support structure  
• System depth:   
- Blade L.050CL and support profile SD.014 : 57,5 mm  
• Optional accessories:  
- Sill LZ.4140 and fixing bracket LZ.4201  
- Premounted pivoting ventilation doors with continuous linear blades (see separate description)

**PRESCRIPTION LINIUS®**

**RENSON LINIUS®**

**VV\_L\_1\_3006 L.050CL + SD.054**

Description:  
RENSON LINIUS® CLS L.050CL consists of sections of extruded ALMgSi 0.5 aluminium with a surface treatment specified by the architect. The system consists of mutually connected blades for simple and invisible assembly by clipping the blades into the blade supports included in the system.  
  
Standards:  
• Aluminium alloy: AlMgSi 0.5 (F25)  
- Standard: EN AW-6063  
- Annealing: T66  
• Aluminium pre-treatment:   
- as per DIN 50021 SS  
• Strength calculations based on the following standards:   
- ENV 1999-1-1: Calculation for aluminium structures  
- NBN B-03-002-2: Wind load – Dynamic effects  
- EN 1991-1-4: Wind load  
  
Surface treatment:  
• Anodised in natural colour F1 (20 micron): pre-treated and anodised  
• Polyester powder coating in RAL colours (60 to 80 micron): aluminium profiles pre-treated for corrosion resistance (DIN 5002155) to guarantee a firm powder coating, then heat-coated.  
  
System design:   
• Blades:   
- Mutually connected blades L.050CL, extruded aluminium  
- Dimensions :   
♣ Height : 60 mm  
♣ Depth : 41 mm  
♣ Pitch : 50 mm (20 blades per 1 metre height)  
- Minimum moments of inertia Iy = 51.257 mm4 (strong axial line) ; Iz = 18.328 mm4, with minimum material thickness of 1,4 mm  
- Invisible assembly by clipping the blades into the corresponding blade supports L.050.11 and L.050.12 (for joins)   
- Visual free area : 70%  
• Support structure:   
- Extruded aluminium support profile SD.054, combined with LD.108: 40 x 54.0 mm  
- Minimum moment of inertia Iy = 208.672 x 103 mm4  
- Blade supports are pre-assembled onto support profile SD.054  
- Brackets in corrosion-resistant material  
• Span:   
- Maximum unsupported span of the system described at wind load qb = 800 Pa:   
♣ Blade L.050CL : 2.148 mm  
♣ Support profile SD.054 : 1.649 mm  
• System depth:   
- Blade L.050CL and support profile SD.054 : 97,0 mm  
• Optional accessories:  
- Sill LZ.4140 and fixing bracket LZ.4201  
- Premounted pivoting ventilation doors with continuous linear blades (see separate description)

**PRESCRIPTION LINIUS®**

**RENSON LINIUS®**

**VV\_L\_1\_3007 L.050CL + SD.100**

Description:  
RENSON LINIUS® CLS L.050CL consists of sections of extruded ALMgSi 0.5 aluminium with a surface treatment specified by the architect. The system consists of mutually connected blades for simple and invisible assembly by clipping the blades into the blade supports included in the system.  
  
Standards:  
• Aluminium alloy: AlMgSi 0.5 (F25)  
- Standard: EN AW-6063  
- Annealing: T66  
• Aluminium pre-treatment:   
- as per DIN 50021 SS  
• Strength calculations based on the following standards:   
- ENV 1999-1-1: Calculation for aluminium structures  
- NBN B-03-002-2: Wind load – Dynamic effects  
- EN 1991-1-4: Wind load  
  
Surface treatment:  
• Anodised in natural colour F1 (20 micron): pre-treated and anodised  
• Polyester powder coating in RAL colours (60 to 80 micron): aluminium profiles pre-treated for corrosion resistance (DIN 5002155) to guarantee a firm powder coating, then heat-coated.  
  
System design:   
• Blades:   
- Mutually connected blades L.050CL, extruded aluminium  
- Dimensions :   
♣ Height : 60 mm  
♣ Depth : 41 mm  
♣ Pitch : 50 mm (20 blades per 1 metre height)  
- Minimum moments of inertia Iy = 51.257 mm4 (strong axial line) ; Iz = 18.328 mm4, with minimum material thickness of 1,4 mm  
- Invisible assembly by clipping the blades into the corresponding blade supports L.050.11 and L.050.12 (for joins)   
- Visual free area : 70%  
• Support structure:   
- Extruded aluminium support profile SD.100, combined with LD.108: 40 x 100 mm  
- Minimum moment of inertia Iy = 1248,414.103 mm4  
- Blade supports are pre-assembled onto support profile SD.100  
- Brackets in corrosion-resistant material  
• Span:   
- Maximum unsupported span of the system described at wind load qb = 800 Pa:   
♣ Blade L.050CL : 2.148 mm  
♣ Support profile SD.100 : 2.994 mm  
• System depth:   
- Blade L.050CL and support profile SD.100 : 143 mm  
• Optional accessories:  
- Sill LZ.4140 and fixing bracket LZ.4201  
- Premounted pivoting ventilation doors with continuous linear blades (see separate description)