**LINIUS® SPECIFICATIONS**

**Brand : RENSON LINIUS®**

**Type : L.050W with holder LD.0065 (VV-L-1.3701)**

**Description:**

RENSON LINIUS® lourve system L.050W is compiled from sections of extruded aluminium ALMgSi0.5 that have undergone a surface treatment in accordance with the architect’s specifications. The system consists of water-resistant ventilation strips (tested in accordance with Hevac) – with a large physical free area and an ideal K-factor. It is easily and invisibly mounted due to the assembly clips that fit into the strip holders that form part of the system.

**Standards:**

* Aluminium alloy: Al Mg Si 0.5 (F25)
* Standardisation: EN AW-6063
* Hardening: T66
* Aluminium pre-treatment:
* Standard DIN 50021 SS
* Strength calculations are based on the following standards:
* ENV 1999-1-1: Calculation of structures in aluminium
* NBN B-03-002-2: Wind load – Dynamic effects
* EN 1991-1-4: Wind load

**Surface treatment:**

* Natural anodised colour F1 (20 micron): Pre-treated and anodised
* Polyester powder coating in RAL colours (60 to 80 micron): aluminium profiles pre-treated to resist corrosion (DIN 5002155) to guarantee a strong powder layer, and subsequently thermally lacquered

**System operation:**

* **Strips:**
* Water-resistant strips with a large clearance, L.050W from extruded aluminium
* Water-resistance classification in accordance with HEVAC (officially tested): A2 through 3 m/s
* Dimensions:
	+ - Height: 89.6 mm
		- Depth: 130.0 mm
		- Step: 50.0 mm (20 strips across a 1 metre height)
		- Average strip gradient: 44°
* Minimum moments of inertia Iy = 778,472 mm4 (strong axis line) ; Iz = 100,395 mm4, with a minimum material thickness of 1.8 mm
* Drag coefficient:
	+ - Cfy (determined by means of wind tunnel testing): 1.3 (horizontal direction)
		- Cfz (determined by means of wind tunnel testing): 0.95 (vertical direction)
* Invisibly mounted using clips that fit into the accompanying strip holder L.050W.11 and L.050W.12 (clip joints)
* Physical allowed clearance: 57%
* K-factor: 10.47
* Strip is fitted with 2 screw ducts, suitable for screws of DIN 7982 – ST3.9 mm type
* Inox / stainless steel mesh grid 2.3 x 2.3 mm secured at the back
* **Support structure:**
* Support profile LD.0065 from extruded aluminium: 30 x 6.5 mm
* Minimum moment of inertia Iy = 261 mm4
* Strip holders are pre-mounted to the holder profile LD.0065
* Mounting the support profile directly onto the rear support structure
* Means of attachment consists of corrosion resistant material
* **Overstretch:**
* Maximum possible allowed overstretching of the described system, with a wind load qb = 800 Pa:
	+ - Strip L.050W: 1,900 mm
		- Support profile LD.0065: Mounting directly onto the rear support structure
* **System depth:**
* Strip L.050W and support profile LD.0065: 139 mm

**LINIUS® SPECIFICATIONS**

**Brand : RENSON LINIUS®**

**Type : L.050W with holder LD.0195 (VV-L-1.3702)**

**Description:**

RENSON LINIUS® lourve system L.050W is compiled from sections of extruded aluminium ALMgSi0.5 that have undergone a surface treatment in accordance with the architect’s specifications. The system consists of water-resistant ventilation strips (tested in accordance with Hevac) – with a large physical free area and an ideal K-factor. It is easily and invisibly mounted due to the assembly clips that fit into the strip holders that form part of the system.

**Standards:**

* Aluminium alloy: Al Mg Si 0.5 (F25)
* Standardisation: EN AW-6063
* Hardening: T66
* Aluminium pre-treatment:
* Standard DIN 50021 SS
* Strength calculations are based on the following standards:
* ENV 1999-1-1: Calculation of structures in aluminium
* NBN B-03-002-2: Wind load – Dynamic effects
* EN 1991-1-4: Wind load

**Surface treatment:**

* Natural anodised colour F1 (20 micron): Pre-treated and anodised
* Polyester powder coating in RAL colours (60 to 80 micron): aluminium profiles pre-treated to resist corrosion (DIN 5002155) to guarantee a strong powder layer, and subsequently thermally lacquered

**System operation:**

* **Strips:**
* Water-resistant strips with a large clearance, L.050W from extruded aluminium
* Water-resistance classification in accordance with HEVAC (officially tested): A2 through 3 m/s
* Dimensions:
	+ - Height: 89.6 mm
		- Depth: 130.0 mm
		- Step: 50.0 mm (20 strips across a 1 metre height)
		- Average strip gradient: 44°
* Minimum moments of inertia Iy = 778,472 mm4 (strong axis line); Iz = 100,395 mm4, with a minimum material thickness of 1.8 mm
* Drag coefficient:
	+ - Cfy (determined by means of wind tunnel testing): 1.3 (horizontal direction)
		- Cfz (determined by means of wind tunnel testing): 0.95 (vertical direction)
* Invisibly mounted using clips that fit into the accompanying strip holder L.050W.11 and L.050W.12 (clip joints)
* Physical allowed clearance: 57%
* K-factor: 10.47
* Strip is fitted with 2 screw ducts, suitable for screws of DIN 7982 – ST3.9 mm type
* Inox / stainless steel mesh grid 2.3 x 2.3 mm secured at the back
* **Support structure:**
* Support profile LD.0195 from extruded aluminium: 36 x 17.5 mm
* Minimum moments of inertia Iz = 5,931 mm4
* Strip holders are pre-mounted to the holder profile LD.0195
* Mounting of the support profiles occurs using attachment elements LZ.4211 and LZ.4209 or guiding attachment element LZ.4206
* Attachment elements consist of corrosion resistant material
* **Overstretch:**
* Maximum possible allowed overstretching of the described system, with a wind load qb = 800 Pa:
	+ - Strip L.050W: 1,900 mm
		- Support profile LD.0195: 533 mm
* **System depth:**
* Strip L.050W and support profile LD.0195: 150 mm

**LINIUS® SPECIFICATIONS**

**Brand : RENSON LINIUS®**

**Type : L.050W with holder LD.0460 (VV-L-1.3703)**

**Description:**

RENSON LINIUS® lourve system L.050W is compiled from sections of extruded aluminium ALMgSi0.5 that have undergone a surface treatment in accordance with the architect’s specifications. The system consists of water-resistant ventilation strips (tested in accordance with Hevac) – with a large physical free area and an ideal K-factor. It is easily and invisibly mounted due to the assembly clips that fit into the strip holders that form part of the system.

**Standards:**

* Aluminium alloy: Al Mg Si 0.5 (F25)
* Standardisation: EN AW-6063
* Hardening: T66
* Aluminium pre-treatment:
* Standard DIN 50021 SS
* Strength calculations are based on the following standards:
* ENV 1999-1-1: Calculation of structures in aluminium
* NBN B-03-002-2: Wind load – Dynamic effects
* EN 1991-1-4: Wind load

**Surface treatment:**

* Natural anodised colour F1 (20 micron): Pre-treated and anodised
* Polyester powder coating in RAL colours (60 to 80 micron): aluminium profiles pre-treated to resist corrosion (DIN 5002155) to guarantee a strong powder layer, and subsequently thermally lacquered

**System operation:**

* **Strips:**
* Water-resistant strips with a large clearance, L.050W from extruded aluminium
* Water-resistance classification in accordance with HEVAC (officially tested): A2 through 3 m/s
* Dimensions:
	+ - Height: 89.6 mm
		- Depth: 130.0 mm
		- Step: 50.0 mm (20 strips across a 1 metre height)
		- Average strip gradient: 44°
* Minimum moments of inertia Iy = 778,472 mm4 (strong axis line); Iz = 100,395 mm4, with a minimum material thickness of 1.8 mm
* Drag coefficient:
	+ - Cfy (determined by means of wind tunnel testing): 1.3 (horizontal direction)
		- Cfz (determined by means of wind tunnel testing): 0.95 (vertical direction)
* Invisibly mounted using clips that fit into the accompanying strip holder L.050W.11 and L.050W.12 (clip joints)
* Physical allowed clearance: 57%
* K-factor: 10.47
* Strip is fitted with 2 screw ducts, suitable for screws of DIN 7982 – ST3.9 mm type
* Inox / stainless steel mesh grid 2.3 x 2.3 mm secured at the back
* **Support structure:**
* Support profile LD.0460 from extruded aluminium: 36 x 44.0 mm
* Minimum moments of inertia Iy = 83,348 mm4
* Strip holders are pre-mounted to the holder profile LD.0460
* Mounting of the support profiles occurs using attachment elements LZ.4211 and LZ.4209 or guiding attachment element LZ.4206
* Attachment elements consist of corrosion resistant material
* **Overstretch:**
* Maximum possible allowed overstretching of the described system, with a wind load qb = 800 Pa:
	+ - Strip L.050W: 1,900 mm
		- Support profile LD.0460: 1,321 mm
* **System depth:**
* Strip L.050W and support profile LD.0460: 177 mm

**LINIUS® SPECIFICATIONS**

**Brand : RENSON LINIUS®**

**Type : L.050W with holder LD.0995 (VV-L-1.3704)**

**Description:**

RENSON LINIUS® lourve system L.050W is compiled from sections of extruded aluminium ALMgSi0.5 that have undergone a surface treatment in accordance with the architect’s specifications. The system consists of water-resistant ventilation strips (tested in accordance with Hevac) – with a large physical free area and an ideal K-factor. It is easily and invisibly mounted due to the assembly clips that fit into the strip holders that form part of the system.

**Standards:**

* Aluminium alloy: Al Mg Si 0.5 (F25)
* Standardisation: EN AW-6063
* Hardening: T66
* Aluminium pre-treatment:
* Standard DIN 50021 SS
* Strength calculations are based on the following standards:
* ENV 1999-1-1: Calculation of structures in aluminium
* NBN B-03-002-2: Wind load – Dynamic effects
* EN 1991-1-4: Wind load

**Surface treatment:**

* Natural anodised colour F1 (20 micron): Pre-treated and anodised
* Polyester powder coating in RAL colours (60 to 80 micron): aluminium profiles pre-treated to resist corrosion (DIN 5002155) to guarantee a strong powder layer, and subsequently thermally lacquered

**System operation:**

* **Strips:**
* Water-resistant strips with a large clearance, L.050W from extruded aluminium
* Water-resistance classification in accordance with HEVAC (officially tested): A2 through 3 m/s
	+ - Height: 89.6 mm
		- Depth: 130.0 mm
		- Step: 50.0 mm (20 strips across a 1 metre height)
		- Average strip gradient: 44°
* Minimum moments of inertia Iy = 778,472 mm4 (strong axis line); Iz = 100,395 mm4, with a minimum material thickness of 1.8 mm
* Drag coefficient:
	+ - Cfy (determined by means of wind tunnel testing): 1.3 (horizontal direction)
		- Cfz (determined by means of wind tunnel testing): 0.95 (vertical direction)
* Invisibly mounted using clips that fit into the accompanying strip holder L.050W.11 and L.050W.12 (clip joints)
* Physical allowed clearance: 57%
* K-factor: 10.47
* Strip is fitted with 2 screw ducts, suitable for screws of DIN 7982 – ST3.9 mm type
* Inox / stainless steel mesh grid 2.3 x 2.3 mm secured at the back
* **Support structure:**
* Support profile LD.0995 from extruded aluminium: 36 x 97.5 mm
* Minimum moments of inertia Iy = 625,740 mm4
* Strip holders are pre-mounted to the holder profile LD.0995
* Mounting of the support profiles occurs using attachment elements LZ.4211 and LZ.4209 or guiding attachment element LZ.4206
* Attachment elements consist of corrosion resistant material
* **Overstretch:**
* Maximum possible allowed overstretching of the described system, with a wind load qb = 800 Pa:
	+ - Strip L.050W: 1,900 mm
		- Support profile LD.0995: 2,452 mm
* **System depth:**
* Strip L.050W and support profile LD.0995: 230 mm

**LINIUS® SPECIFICATIONS**

**Brand : RENSON LINIUS®**

**Type : L.050W with holder SD.014 (VV-L-1.3705)**

**Description:**

RENSON LINIUS® lourve system L.050W is compiled from sections of extruded aluminium ALMgSi0.5 that have undergone a surface treatment in accordance with the architect’s specifications. The system consists of water-resistant ventilation strips (tested in accordance with Hevac) – with a large physical free area and an ideal K-factor. It is easily and invisibly mounted due to the assembly clips that fit into the strip holders that form part of the system.

**Standards:**

* Aluminium alloy: Al Mg Si 0.5 (F25)
* Standardisation: EN AW-6063
* Hardening: T66
* Aluminium pre-treatment:
* Standard DIN 50021 SS
* Strength calculations are based on the following standards:
* ENV 1999-1-1: Calculation of structures in aluminium
* NBN B-03-002-2: Wind load – Dynamic effects
* EN 1991-1-4: Wind load

**Surface treatment:**

* Natural anodised colour F1 (20 micron): Pre-treated and anodised
* Polyester powder coating in RAL colours (60 to 80 micron): aluminium profiles pre-treated to resist corrosion (DIN 5002155) to guarantee a strong powder layer, and subsequently thermally lacquered

**System operation:**

* **Strips:**
* Water-resistant strips with a large clearance, L.050W from extruded aluminium
* Water-resistance classification in accordance with HEVAC (officially tested): A2 through 3 m/s
* Dimensions:
	+ - Height: 89.6 mm
		- Depth: 130.0 mm
		- Step: 50.0 mm (20 strips across a 1 metre height)
		- Average strip gradient: 44°
* Minimum moments of inertia Iy = 778,472 mm4 (strong axis line); Iz = 100,395 mm4, with a minimum material thickness of 1.8 mm
* Drag coefficient:
	+ - Cfy (determined by means of wind tunnel testing): 1.3 (horizontal direction)
		- Cfz (determined by means of wind tunnel testing): 0.95 (vertical direction)
* Invisibly mounted using clips that fit into the accompanying strip holder L.050W.11 and L.050W.12 (clip joints)
* Physical allowed clearance: 57%
* K-factor: 10.47
* Strip is fitted with 2 screw ducts, suitable for screws of DIN 7982 – ST3.9 mm type
* Inox / stainless steel mesh grid 2.3 x 2.3 mm secured at the back
* **Support structure:**
* Support profile SD.014 in combination with LD.108, from extruded aluminium: 40 x 14.5 mm
* Minimum moment of inertia Iy = 37,137.103 mm4
* Strip holders are pre-mounted to the holder profile SD.014
* Mounting the support profile directly onto the rear support structure
* Attachment elements consist of corrosion resistant material
* **Overstretch:**
* Maximum possible allowed overstretching of the described system, with a wind load qb = 800 Pa:
	+ - Strip L.050W: 1,900 mm
		- Support profile SD.014: Mounting directly onto the rear support structure
* **System depth:**
* Strip L.050W and support profile SD.014: 147 mm

**LINIUS® SPECIFICATIONS**

**Brand : RENSON LINIUS®**

**Type : L.050W with holder SD.054 (VV-L-1.3706)**

**Description:**

RENSON LINIUS® lourve system L.050W is compiled from sections of extruded aluminium ALMgSi0.5 that have undergone a surface treatment in accordance with the architect’s specifications. The system consists of water-resistant ventilation strips (tested in accordance with Hevac) – with a large physical free area and an ideal K-factor. It is easily and invisibly mounted due to the assembly clips that fit into the strip holders that form part of the system.

**Standards:**

* Aluminium alloy: Al Mg Si 0.5 (F25)
* Standardisation: EN AW-6063
* Hardening: T66
* Aluminium pre-treatment:
* Standard DIN 50021 SS
* Strength calculations are based on the following standards:
* ENV 1999-1-1: Calculation of structures in aluminium
* NBN B-03-002-2: Wind load – Dynamic effects
* EN 1991-1-4: Wind load

**Surface treatment:**

* Natural anodised colour F1 (20 micron): Pre-treated and anodised
* Polyester powder coating in RAL colours (60 to 80 micron): aluminium profiles pre-treated to resist corrosion (DIN 5002155) to guarantee a strong powder layer, and subsequently thermally lacquered

**System operation:**

* **Strips:**
* Water-resistant strips with a large clearance, L.050W from extruded aluminium
* Water-resistance classification in accordance with HEVAC (officially tested): A2 through 3 m/s
* Dimensions:
	+ - Height: 89.6 mm
		- Depth: 130.0 mm
		- Step: 50.0 mm (20 strips across a 1 metre height)
		- Average strip gradient: 44°
* Minimum moments of inertia Iy = 778,472 mm4 (strong axis line); Iz = 100,395 mm4, with a minimum material thickness of 1.8 mm
* Drag coefficient:
	+ - Cfy (determined by means of wind tunnel testing): 1.3 (horizontal direction)
		- Cfz (determined by means of wind tunnel testing): 0.95 (vertical direction)
* Invisibly mounted using clips that fit into the accompanying strip holder L.050W.11 and L.050W.12 (clip joints)
* Physical allowed clearance: 57%
* K-factor: 10.47
* Strip is fitted with 2 screw ducts, suitable for screws of DIN 7982 – ST3.9 mm type
* Inox / stainless steel mesh grid 2.3 x 2.3 mm secured at the back
* **Support structure:**
* Support profile SD.054 in combination with LD.108, from extruded aluminium: 40 x 54.0 mm
* Minimum moment of inertia Iy = 208,672.103 mm4
* Strip holders are pre-mounted to the holder profile SD.054
* Attachment elements consist of corrosion resistant material
* **Overstretch:**
* Maximum possible allowed overstretching of the described system, with a wind load qb = 800 Pa:
	+ - Strip L.050W: 1,900 mm
		- Support profile SD.054: 1,795 mm
* **System depth:**
* Strip L.050W and support profile SD.054: 187 mm

**LINIUS® SPECIFICATIONS**

**Brand : RENSON LINIUS®**

**Type : L.050W with holder SD.100 (VV-L-1.3707)**

**Description:**

RENSON LINIUS® lourve system L.050W is compiled from sections of extruded aluminium ALMgSi0.5 that have undergone a surface treatment in accordance with the architect’s specifications. The system consists of water-resistant ventilation strips (tested in accordance with Hevac) – with a large physical free area and an ideal K-factor. It is easily and invisibly mounted due to the assembly clips that fit into the strip holders that form part of the system.

**Standards:**

* Aluminium alloy: Al Mg Si 0.5 (F25)
* Standardisation: EN AW-6063
* Hardening: T66
* Aluminium pre-treatment:
* Standard DIN 50021 SS
* Strength calculations are based on the following standards:
* ENV 1999-1-1: Calculation of structures in aluminium
* NBN B-03-002-2: Wind load – Dynamic effects
* EN 1991-1-4: Wind load

**Surface treatment:**

* Natural anodised colour F1 (20 micron): Pre-treated and anodised
* Polyester powder coating in RAL colours (60 to 80 micron): aluminium profiles pre-treated to resist corrosion (DIN 5002155) to guarantee a strong powder layer, and subsequently thermally lacquered

**System operation:**

* **Strips:**
* Water-resistant strips with a large clearance, L.050W from extruded aluminium
* Water-resistance classification in accordance with HEVAC (officially tested): A2 through 3 m/s
* Dimensions:
	+ - Height: 89.6 mm
		- Depth: 130.0 mm
		- Step: 50.0 mm (20 strips across a 1 metre height)
		- Average strip gradient: 44°
* Minimum moments of inertia Iy = 778,472 mm4 (strong axis line); Iz = 100,395 mm4, with a minimum material thickness of 1.8 mm
* Drag coefficient:
	+ - Cfy (determined by means of wind testing): 1.3 (horizontal direction)
		- Cfz (determined by means of wind tunnel testing): 0.95 (vertical direction)
* Invisibly mounted using clips that fit into the accompanying strip holder L.050W.11 and L.050W.12 (clip joints)
* Physical allowed clearance: 57%
* K-factor: 10.47
* Strip is fitted with 2 screw ducts, suitable for screws of DIN 7982 – ST3.9 mm type
* Inox / stainless steel mesh grid 2.3 x 2.3 mm secured at the back
* **Support structure:**
* Support profile SD.100 in combination with LD.108, from extruded aluminium: 40 x 100.0 mm
* Minimum moment of inertia Iy = 1248,414.103 mm4
* Strip holders are pre-mounted to the holder profile SD.100
* Attachment elements consist of corrosion resistant material
* **Overstretch:**
* Maximum possible allowed overstretching of the described system, with a wind load qb = 800 Pa:
	+ - Strip L.050W: 1,900 mm
		- Support profile SD.100: 3,259 mm
* **System depth:**
* Strip L.050W and support profile SD.100: 233 mm

**LINIUS® SPECIFICATIONS**

**Brand : RENSON LINIUS®**

**Type : L.050W with holder LD.0440 (VV-L-1.3708)**

**Description:**

RENSON LINIUS® lourve system L.050W is compiled from sections of extruded aluminium ALMgSi0.5 that have undergone a surface treatment in accordance with the architect’s specifications. The system consists of water-resistant ventilation strips (tested in accordance with Hevac) – with a large physical free area and an ideal K-factor. It is easily and invisibly mounted due to the assembly clips that fit into the strip holders that form part of the system.

**Standards:**

* Aluminium alloy: Al Mg Si 0.5 (F25)
* Standardisation: EN AW-6063
* Hardening: T66
* Aluminium pre-treatment:
* Standard DIN 50021 SS
* Strength calculations are based on the following standards:
* ENV 1999-1-1: Calculation of structures in aluminium
* NBN B-03-002-2: Wind load – Dynamic effects
* EN 1991-1-4: Wind load

**Surface treatment:**

* Natural anodised colour F1 (20 micron): Pre-treated and anodised
* Polyester powder coating in RAL colours (60 to 80 micron): aluminium profiles pre-treated to resist corrosion (DIN 5002155) to guarantee a strong powder layer, and subsequently thermally lacquered

**System operation:**

* **Strips:**
* Water-resistant strips with a large clearance, L.050W from extruded aluminium
* Water-resistance classification in accordance with HEVAC (officially tested): A2 through 3 m/s
* Dimensions:
	+ - Height: 89.6 mm
		- Depth: 130.0 mm
		- Step: 50.0 mm (20 strips across a 1 metre height)
		- Average strip gradient: 44°
* Minimum moments of inertia Iy = 778,472 mm4 (strong axis line); Iz = 100,395 mm4, with a minimum material thickness of 1.8 mm
* Drag coefficient:
	+ - Cfy (determined by means of wind testing): 1.3 (horizontal direction)
		- Cfz (determined by means of wind tunnel testing): 0.95 (vertical direction)
* Invisibly mounted using clips that fit into the accompanying strip holder L.050W.11 and L.050W.12 (clip joints)
* Physical allowed clearance: 57%
* K-factor: 10.47
* Strip is fitted with 2 screw ducts, suitable for screws of DIN 7982 – ST3.9 mm type
* Inox / stainless steel mesh grid 2.3 x 2.3 mm secured at the back
* **Support structure:**
* Support profile LD.0440 from extruded aluminium: 36 x 44.0 mm
* Minimum moments of inertia Iy = 83,228 mm4
* Strip holders are pre-mounted to the holder profile LD.0440
* Mounting of the support profiles occurs using attachment elements LZ.4211 and LZ.4209 or guiding attachment element LZ.4206
* Sideways mounting of the support profile is possible by means of sideways slideable ducts
* Attachment elements consist of corrosion resistant material
* **Overstretch:**
* Maximum possible allowed overstretching of the described system, with a wind load qb = 800 Pa:
	+ - Strip L.050W: 1,900 mm
		- Support profile LD.0440: 1,321 mm
* **System depth:**
* Strip L.050W and support profile LD.0440: 177 mm

**LINIUS® SPECIFICATIONS**

**Brand : RENSON LINIUS®**

**Type : L.050W with holder LD.1250 (VV-L-1.3709)**

**Description:**

RENSON LINIUS® lourve system L.050W is compiled from sections of extruded aluminium ALMgSi0.5 that have undergone a surface treatment in accordance with the architect’s specifications. The system consists of water-resistant ventilation strips (tested in accordance with Hevac) – with a large physical free area and an ideal K-factor. It is easily and invisibly mounted due to the assembly clips that fit into the strip holders that form part of the system.

**Standards:**

* Aluminium alloy: Al Mg Si 0.5 (F25)
* Standardisation: EN AW-6063
* Hardening: T66
* Aluminium pre-treatment:
* Standard DIN 50021 SS
* Strength calculations are based on the following standards:
* ENV 1999-1-1: Calculation of structures in aluminium
* NBN B-03-002-2: Wind load – Dynamic effects
* EN 1991-1-4: Wind load

**Surface treatment:**

* Natural anodised colour F1 (20 micron): Pre-treated and anodised
* Polyester powder coating in RAL colours (60 to 80 micron): aluminium profiles pre-treated to resist corrosion (DIN 5002155) to guarantee a strong powder layer, and subsequently thermally lacquered

**System operation:**

* **Strips:**
* Water-resistant strips with a large clearance, L.050W from extruded aluminium
* Water-resistance classification in accordance with HEVAC (officially tested): A2 through 3 m/s
* Dimensions:
	+ - Height: 89.6 mm
		- Depth: 130.0 mm
		- Step: 50.0 mm (20 strips across a 1 metre height)
		- Average strip gradient: 44°
* Minimum moments of inertia Iy = 778,472 mm4 (strong axis line); Iz = 100,395 mm4, with a minimum material thickness of 1.8 mm
* Drag coefficient:
	+ - Cfy (determined by means of wind testing): 1.3 (horizontal direction)
		- Cfz (determined by means of wind tunnel testing): 0.95 (vertical direction)
* Invisibly mounted using clips that fit into the accompanying strip holder L.050W.11 and L.050W.12 (clip joints)
* Physical allowed clearance: 57%
* K-factor: 10.47
* Strip is fitted with 2 screw ducts, suitable for screws of DIN 7982 – ST3.9 mm type
* Inox / stainless steel mesh grid 2.3 x 2.3 mm secured at the back
* **Support structure:**
* Support profile LD.1250 from extruded aluminium: 36 x 125.0 mm
* Minimum moments of inertia Iy = 1,219,444 mm4
* Strip holders are pre-mounted to the holder profile LD.1250
* Mounting of the support profiles occurs using attachment elements LZ.4211 and LZ.4209 or guiding attachment element LZ.4206
* Attachment elements consist of corrosion resistant material
* **Overstretch:**
* Maximum possible allowed overstretching of the described system, with a wind load qb = 800 Pa:
	+ - Strip L.050W: 1,900 mm
		- Support profile LD.1250: 3,038 mm
* **System depth:**
* Strip L.050W and support profile LD.1250: 258 mm