

LINIUS[®]

SUNPROTECTION-PROJECTS



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INSTALLATION INSTRUCTIONS

On delivery and before installation, the goods should be checked for any transport/storage damage and for missing parts. Any defects should be reported immediately via the distributor.

The legal safety regulations should also be provided in order to prevent accidents during installation.

RENSON® Sunprotection-Projects N.V. cannot be held liable for damage caused by a failure to follow these assembly instructions and the safety regulations.

1 • DELIVERY ACCORDING TO ORDER

1.1 • Delivery of blades

- | | |
|----------------|--|
| Stock lengths: | Blades from stock, need to be cut to the correct length for installation, taking the points described in these installation instructions into account. |
| Oversize: | Oversize blades, need to be cut to the correct length for installation, taking the points described in these installation instructions into account. |
| Set lengths: | Made-to-measure blades. |

1.2 • Delivery of support structures

- | | |
|----------------|--|
| Stock lengths: | Support structures from stock, without prefitted blade supports. |
| Oversize: | Oversize support structures, with prefitted blade supports. |
| Set lengths: | Support structures made to measure, with prefitted blade supports. |

1.3 • Delivery of blade supports

- | | |
|------------|--|
| Loose: | Blade supports supplied loose.
See assembly-instructions for assembly |
| Prefitted: | Blade supports prefitted on support structure |

1.4 • RENSON® brackets

Supplied loose.

1.5 • Door elements

The standard delivery consists of an assembled door element, that is, with leaves prefitted in the frame.
For ease of transport, large or double doors may be delivered with the leaves loose.

1.6 • Accessories

Accessories such as sill profiles and insect/bird or vermin mesh are delivered loose.

Note: Anchoring materials (cotter bolts, plain bolts, nuts) for attachment to the building structure are **not** supplied.

2 • INSTALLATING DOOR ELEMENTS

- For ease of transport, the leaves for large or double doors may be delivered loose.
Fitting and removing door leaves: see "Instructions for assembly"
- In order to ensure that the blades in the CLS and those on the door are in line and so maintain the linearity of the louvre, it is recommended to first put the door element in place and only then to locate the support structures next to that element.
- They must be installed perfectly vertically on both sides to be sure the door will work properly.
It is also very important for the batten at the base of the frame (and the pivot, especially) to be fully supported.
- It is fitted using brackets from Renson and anchoring materials specified and supplied by the installer.

INSTALLATION INSTRUCTIONS

3 • INSTALLING THE CLS

3.1 • Thermal dilation

When planning and assembling the continuous louvre system and the dilation joint, the thermal expansion of the aluminium must always be taken into account. The thermal expansion coefficient of aluminium is 0.024 mm/mK (which is approximately equivalent to an expansion of 1 mm/m with a rise in temperature of 40° C). In the event of major temperature fluctuations, the possibility of the harmless thermal expansion causing cracking sounds cannot be discounted.

To prevent that from happening as much as possible, it is important that the support profiles on which the blades are fixed, are installed well in line and perfectly plumb. We also recommend using shorter blade lengths so that the total dilation per profile is kept to a minimum. Selecting the power-coated version also reduces that risk of dilation noise.

3.2 • Positioning and aligning support structures

- The following points must be taken into account when planning and before ordering a CLS:
 - the maximum allowable separation between the support structures is a function of the type of blade and support structure, and the local wind loading.
 - the vertical clearance between two attachment points is a function of the type of support structure, the clearance between two support structures and the local wind loading.

For more details, see the Renson louvre documentation.

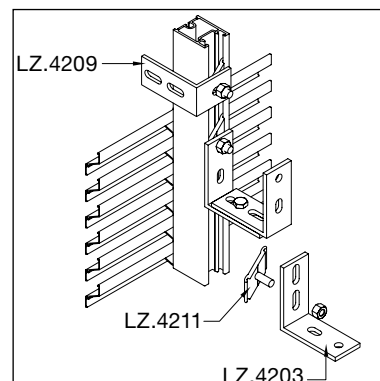
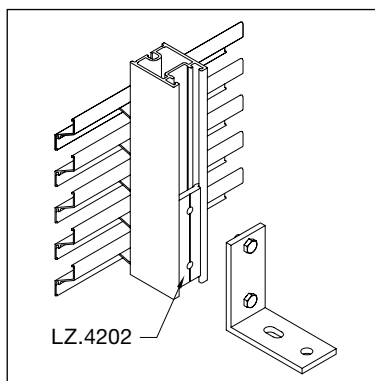
- Align the support structures with prefitted blade supports laterally such that the blade supports are all at the same height. Use suitable equipment such as a laser, cord, etc. to achieve this.
If the height of the supports varies, the blades will not be even and the wall will lose its linear appearance.
If the differences are large, the blade will not clip into the blade support.

3.3 • Attaching support structures

The support structures are fitted using standard brackets from Renson and anchoring materials dimensioned and supplied by the installer.

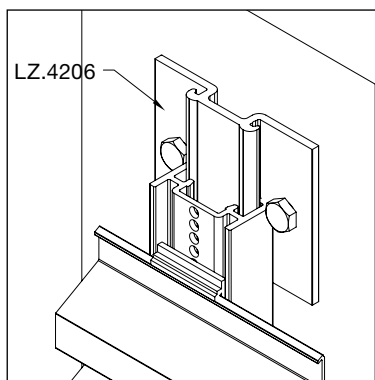
- **Fixed fit of support structures LD.0195, LD.0440, LD.0460, LD.0995 and LD.1250 using LZ.4202, LZ.4203, LZ.4209 and/or LZ.4211.**

Angle brackets LZ.4203 and LZ.4209 are mounted on the rear of the mullions by means of fixing brackets LZ.4202 or LZ.4211. These parts have a thread or press bolt. That way, the brackets can be fixed at any height to the support structure.



- **Sliding fit of support structures LD.0195, LD.0460 and LD.0995 using LZ.4206.**

The LZ.4206 bracket slides into the rear of the support structure and can move freely in the structure. A fastening point with this bracket guarantees horizontal stability but allows vertical movement due to thermal expansion.

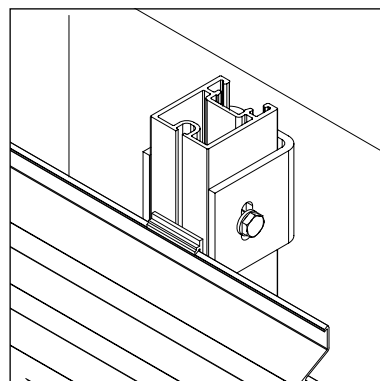


Note:
Bracket LZ.4206 can be used as a fixed attachment point by inserting a bolt through the bracket and support structure.

INSTALLATION INSTRUCTIONS

- Fixed fit of support structures LD.0460 and LD.0995 using LZ.4210.

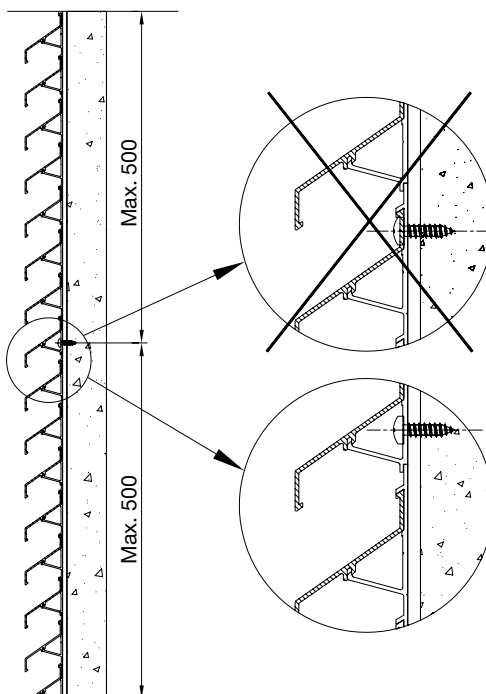
The U-brackets type LZ.4210 are mounted with the backside against the building structure and in a perfect vertical line. To achieve that, the position of the bracket can be corrected by means of the horizontal groove hole in the U-bracket. The (support)/mullion profiles are then positioned in the brackets, so that they are aligned perfectly vertically. In this correct position the (support)/mullion profiles are drilled at the bottom at the underside of the vertical groove holes in the LZ.4210 bracket; higher attachment points should be drilled in the middle of the groove holes to permit thermal expansion.



- Fitting support structure LD.0065.

Support structure LD.0065 is supported over its entire length and is fitted to the substructure at least every 500 mm using anchoring materials specified and supplied by the installer.

When bolting down support structure LD.0065, make sure that the bolts are not located in the same place as the raised rib on the blade.



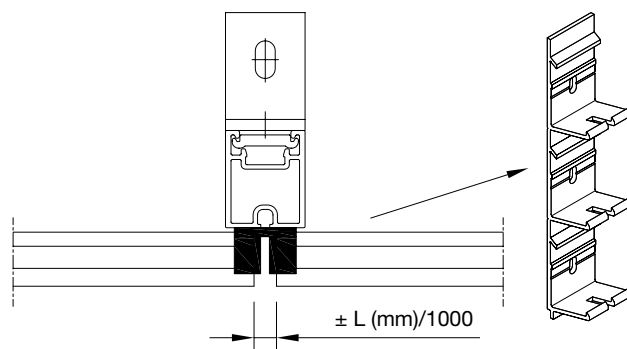
3.4 • Installing support structures at expansion joints

When installing aluminium systems, always allow for the thermal expansion of aluminium.

Its coefficient of thermal expansion is 0.024 mm/mK.

To avoid blocking the expansion of the blades after assembly, you can choose 2 possible methods of blade joints.

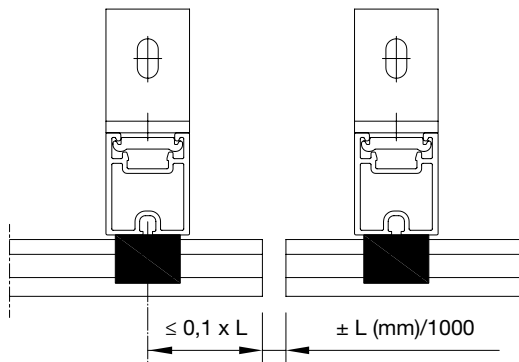
- Option 1: Installing support structures with double blade support for two blades (type L.XXX.12)



INSTALLATION INSTRUCTIONS

- **Option 2: Installing two separate support structures with prefitted standard blade supports (type L.XXX.11)**

This version is recommended especially for attachment to less regular substructures (e.g. wood) or where there are extreme variations in temperature.

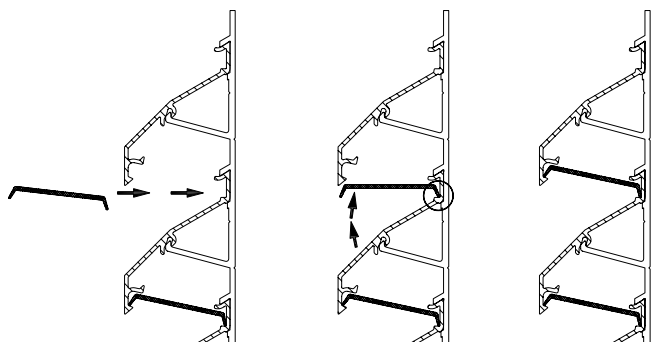


Locate the support structures as close as possible to the outer end of the blade. The clearance between the blade support and the end of the blade should not exceed 10% of the allowed free length of the blade.

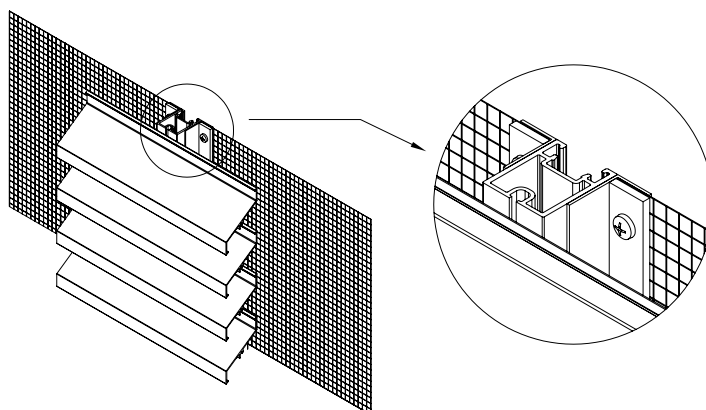
3.5 • Installing insect, bird or vermin mesh (optional)

- **PVC strips** clipped between the blades after blade installation.
These strips are available for blades L.050.01, L.075.01 and L.095.01.

They are clipped in place by the lip of the blade.



- **Stainless wire mesh V2A** in 2.3 x 2.3 mm, 6 x 6 mm, 10 x 10 mm or 20 x 20 mm mesh (supplied on roll)
The mesh is fixed to the substructure or the support structures.
Suggestion: First attach an angle bracket to the support, then use a plate to bolt the mesh to the bracket.

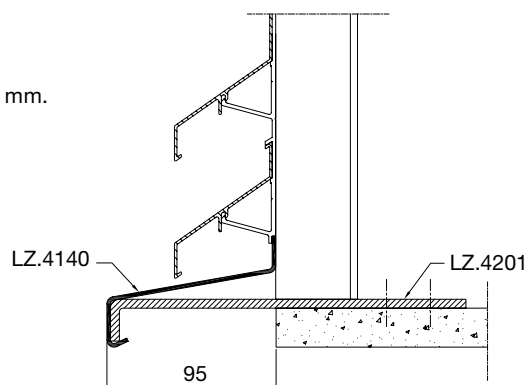


INSTALLATION INSTRUCTIONS

3.6 • Installing sill profile LZ.4140 (optional)

Sill profile LZ.4140 is used to drain off rainwater.

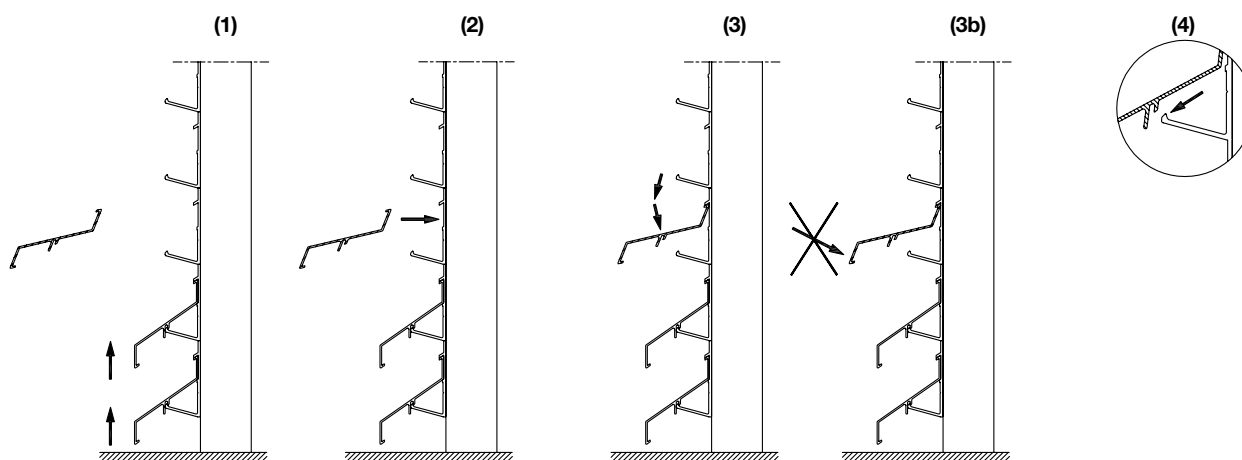
It is attached using LZ.4201 dowels placed at maximum intervals of 1,200 mm.



3.7 • Clipping blades into blade supports

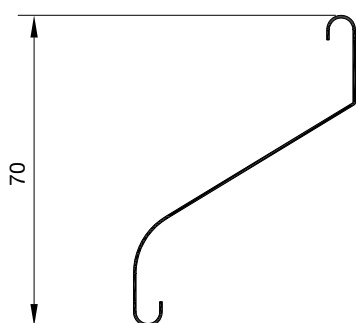
• Extruded blades L.033, L.050, L.060, L.066, L.075, L.095 and L.120.

- Clip in the lowest blades first **(1)**. This way, the blade being fitted is always easily accessible.
- First locate the ridge on the blade correctly by pressing it up firmly onto the hook provided.
- Then fit the blade to the blade support by placing the support leg **(3)** against the main face of the blade and pressing until you hear it click into place. To avoid deforming it, do not press on the outer end of the blade **(3b)**.
- In the case of rough or anodised blades, or if the blade is difficult to clip into place, lubricate the support leg with grease to make it easier for the blade to clip in **(4)**.

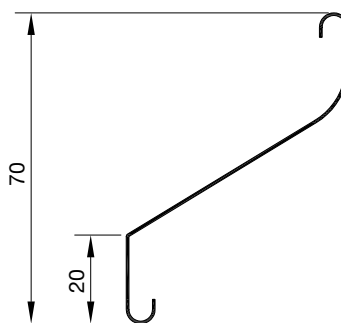


• Rolled edge blades L.065AL, GL or STS.

These can be clipped to the blade support in two ways:



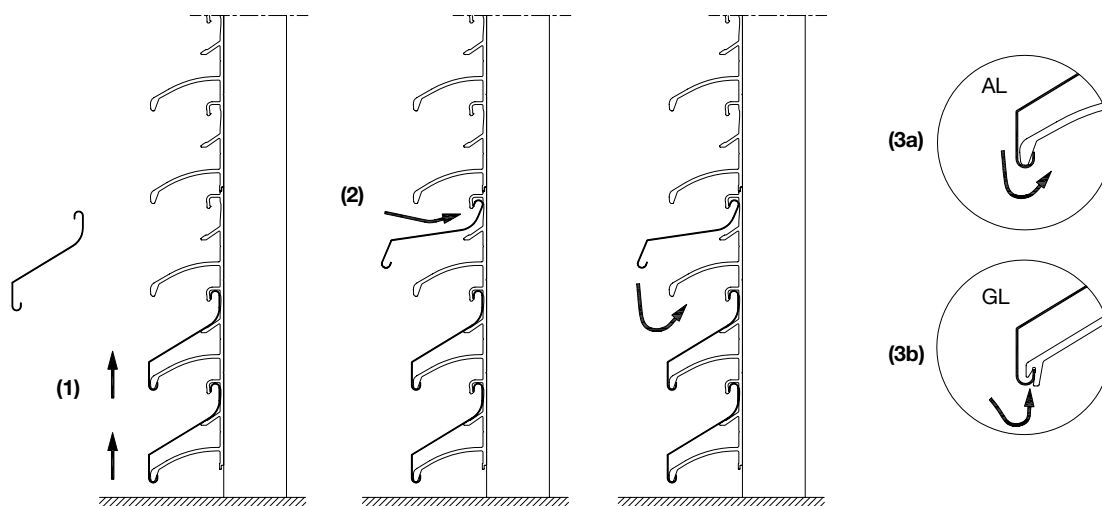
• With the rounded edge at the front (M1)



• with the sharp edge at the front (M2)

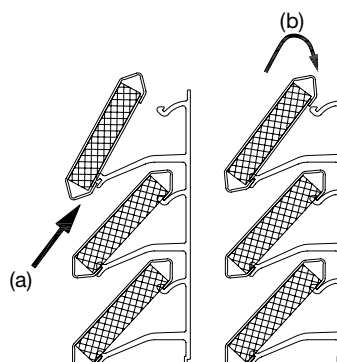
INSTALLATION INSTRUCTIONS

- Clip in the lowest blades first **(1)**. This way, the blade being fitted is always easily accessible.
- First locate the ridge on the blade correctly by pressing it up firmly onto the hook provided **(2)**.
- Then fit the blade to the blade support by twisting it over the top of the support leg on the support **(3)**.
- Note the difference between the support for blades L.065AL (aluminium) **(3a)**, L.065GL (galvanised steel) and L.065STS (stainless) **(3b)**.



• Acoustic blades L.060AC

- Clip in the lowest blades first. This way, the blade being fitted is always easily accessible.
- First place the blade correctly with the lower edge on the blade support (a).
- Then twist the blade in the direction of the arrow and press it into the support until you hear it click into place on the top edge (b).



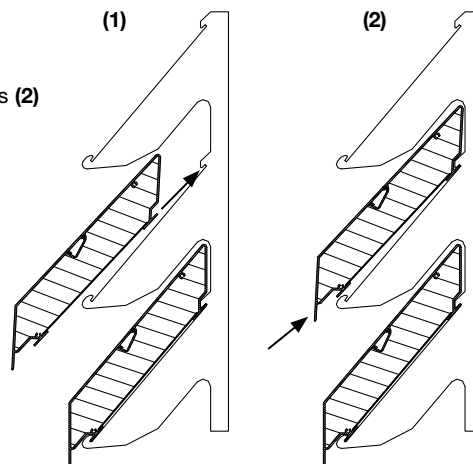
• Acoustic blades L.150ACS.01 and L.150ACL.01.

- Each blade must rest on a full blade support on at least one place. A single joint support is permitted, but not on both sides of the blade if there is no extra mullion/support between them.
- Start to mount the blades at the bottom of the (support)/mullion. So the lowest blades must therefore be clipped first..

INSTALLATION INSTRUCTIONS

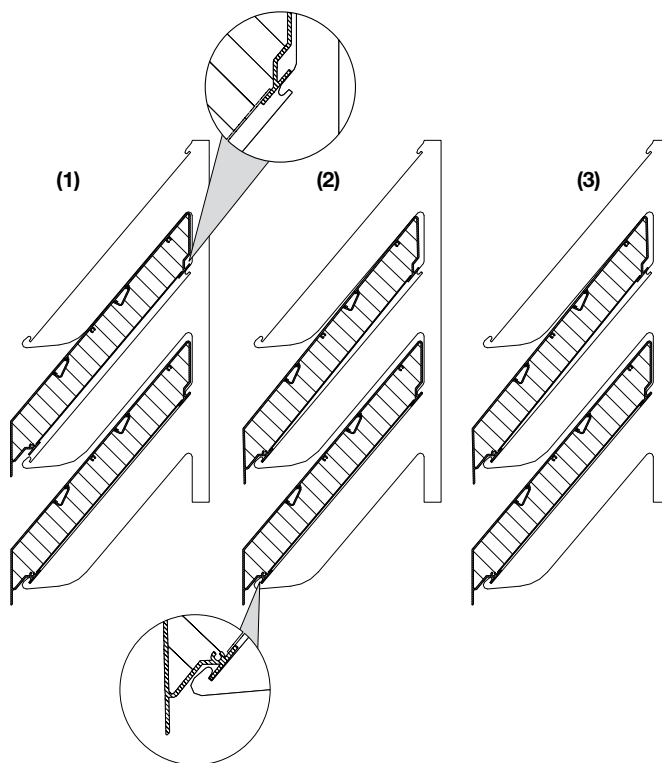
For **L.150ACS.01** (2-step):

- Stick the blade at the back in the clips tooth first **(1)**
- Then push the nose from the front to the back until the blade clicks in the clips **(2)**



For **L.150ACL.01** (3-step):

- Place the blade as far and as high as possible at the back of the clips above the clips tooth **(1)**
- By returning a bit to the front, you can now stick the blade behind the clips tooth at the front **(2)**
- Then push the back of the blade downwards so that it also jumps into the clips at the back **(3)**

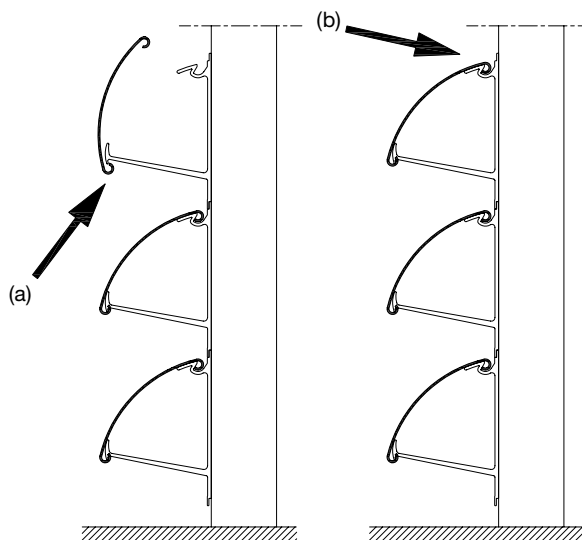


- If you wish to, you can screw the endcaps with sunken screws DIN 7982 ST 3.9x 25 (Preferably after clipping in the blades).
- Comment :
It is sometimes easier to screw the endcaps onto the blades in advance.
That is only possible if the clips are at least 200 mm from the end of the blade.

INSTALLATION INSTRUCTIONS

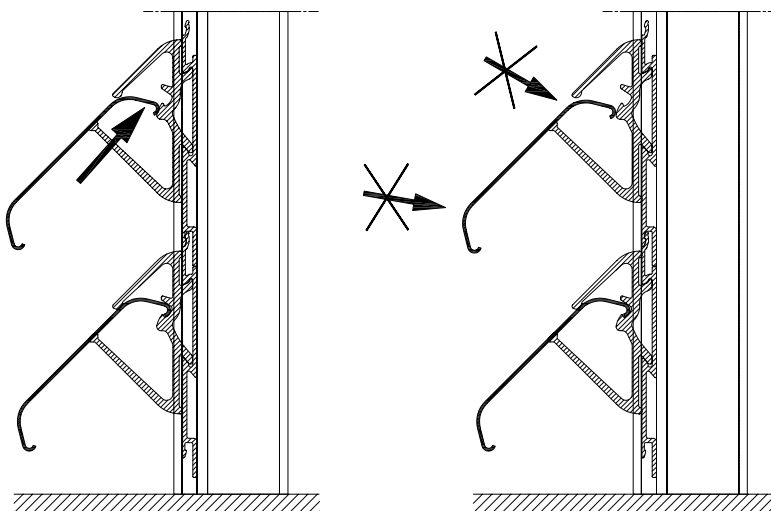
• Sunclips® EVO C-shaped blades.

- Clip in the lowest blades first. This way, the blade being fitted is always easily accessible.
- First place the blade correctly with the lower edge on the blade support **(a)**.
- Then twist the blade in the direction of the arrow and press it into the support until you hear it click into place on the top edge **(b)**.



• Classic C-shaped blade.

- Place the blade in the clip as shown in the diagram.
- Then (with both hands) press the curved underside of the blade to the left and right of the clip close to the wall until you hear it click into place.
- Do not press on the top of the blade or the nose as this will distort the clips beyond repair.



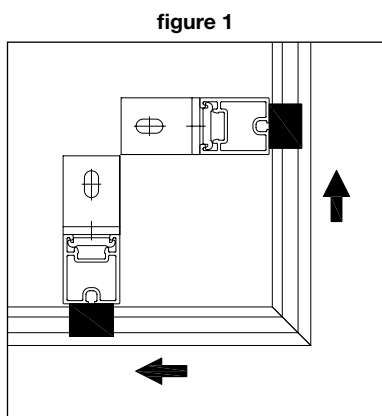
INSTALLATION INSTRUCTIONS

3.8 • Securing the blades

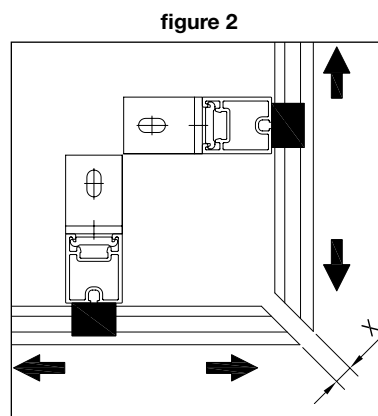
To prevent the blades from moving out off their clips on one side over time as a result of thermal expansion and shrinking, you should ensure that the maximum possible movement of the blades on both ends is sufficiently restricted, either by means of another blade or by a surface such as a wall, cladding or other façade elements.

In order to guarantee that the position and width of the joints between the blades always stays the same, the blades can be attached at one place directly onto the structure after clipping by means of a screw or pop rivet. The decision of whether to secure the blades and how to do so falls under the responsibility of the installer/client. When securing, these mounting instructions must be complied with.

A special example of this securing method can be used in the finishing of building corners: Rather than considering the angle between the blades as an expansion joint (**figure 1**), you can decide to screw the blades on the support structure after the clipping (**figure 2**). That will allow the blade to expand in the direction away from the angle and the blade will always remain perfectly closed on the angle. Through additional securing of the blades (see above), the dilatation joint remains at the original position.



Option 1:
Fit the support structures as close as possible to the corner of the building.
The blades are also bolted through the blade support. In this way, the blade expands towards the opposite side and the blades at the corner remain closed.



Option 2:
Here, the expansion joint for the blades is directly in the corner.
Note: The width of the joint must be matched to the length of the blades and the resulting degree of thermal expansion.

INSTALLATION INSTRUCTIONS

4 • INSTALLING A CURVED CONTINUOUS LOUVRE SYSTEM (CLS)

4.1 • Delivery of curved blades

Curved blades can be:

- made to measure, or
- oversize: both ends of the blade have to be cut to the correct extension before installation (max. 300 mm).

4.2 • Installing curved blades

- The installation of the support structures is the same as for a straight louvre wall (see Section 5).
The radius of the installed support structures must be exactly the same as that of the radius specified in the order.
If not, the curved blades will be difficult or impossible to clip into the blade supports.
- The method for clipping the curved blades into their supports is the same as for a straight louvre wall (see Section 5).
- In the case of slightly curved radii or if the actual radius of the substructure does vary from the specified radius, it is recommended to bolt the blades to the support structure as well.

5 • INSTALLING CONTINUOUS LOUVRE SYSTEM (CLS) WITH FRAME L.075

The L.075 system can be finished with 2 types of frame:

L.075.21 with flange or L.075.22 without flange.

Rubber seal L.075.41 is not supplied but can be ordered as an option. It will fit the profiles of both frames.

You should also allow for thermal expansion of the profiles when installing the system.

5.1 • Delivery of L.075 frame profiles

- Stock lengths: profiles from stock, need to be cut to the correct length for installation.
- Oversize lengths: oversize profiles, mitred on one side, need to be cut to the correct length for installation.
- Made-to-measure: delivery of fully finished units, premounted with frame, supports, blades and (optional) rubber seal.
Maximum size: 3000 x 2000 mm.

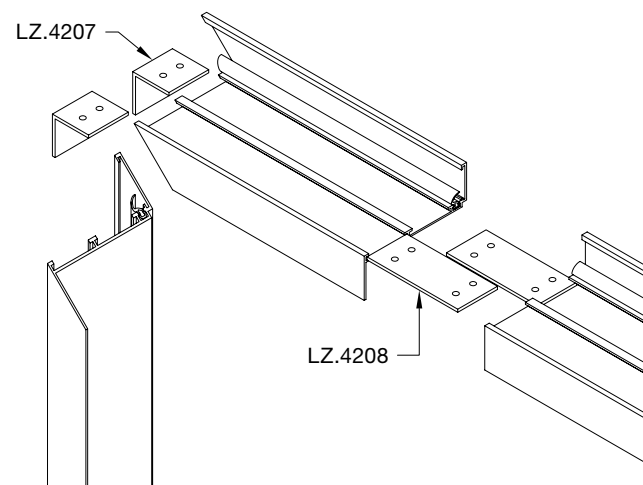
5.2 • Installing CLS with frame L.075

- If necessary, cut the frame profiles to match the size of the wall opening.
The profiles forming the corners are cut in a mitre box.
- Installing frame profiles in the wall opening.

Optional:

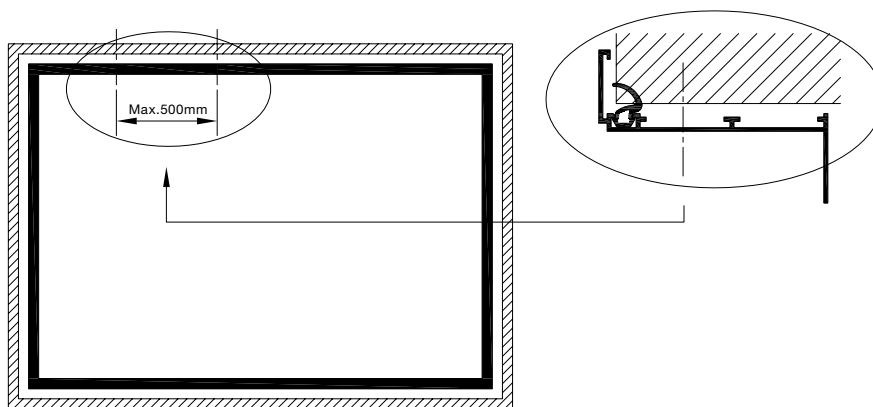
Insert the rubber seal in the groove around the frame.

- Slide corner trim connectors LZ.4207 and flat connectors LZ.4208 (for widths/heights > 6000 mm) into the frame and screw them in place.

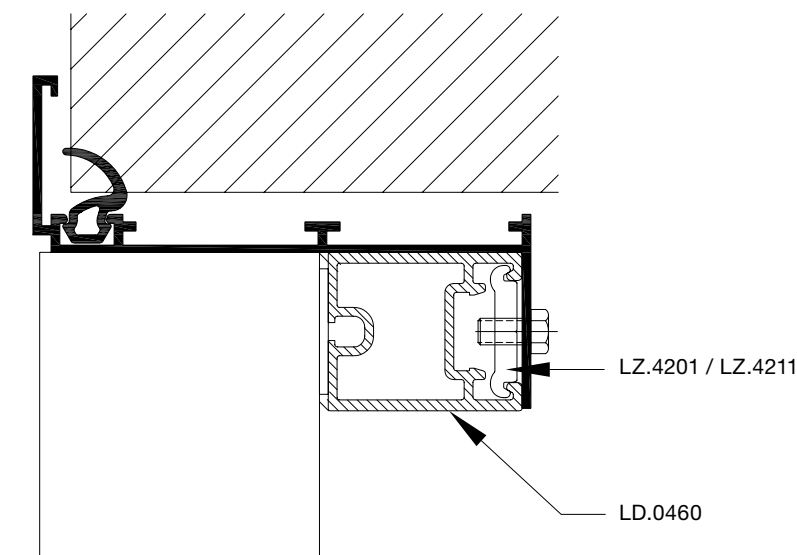


INSTALLATION INSTRUCTIONS

- Place the frame in the wall opening and screw it to the wall. Max. screw clearance = 500 mm.
Screws or other anchoring materials should be specified and supplied by the installer.

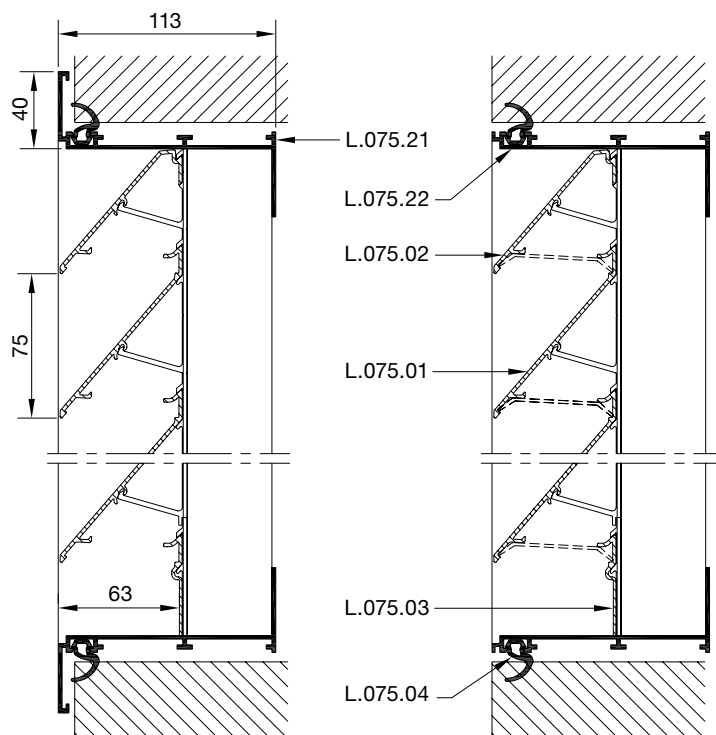


- If necessary, cut support structures LD.0460 to the correct length and use with blade supports L.075.11. In the case of frame widths > 6000 mm, also use joint brackets with blade supports L.075.12. Fitting of blade supports is described in the assembly instructions for the brackets.
- Fit the brackets left and right against the vertical rear flange of the frame profile. Fit them as far to the left and right as possible, and at the maximum permitted distance between two mounting points, depending on the local wind load. Drill appropriately-sized holes in the vertical frame flanges, then screw the brackets and frame profile together using fasteners LZ.4202 or LZ.4211.



INSTALLATION INSTRUCTIONS

- If desired, special top blade L.075.02 can be fitted instead of standard blade L.075.01.
The bracket and clip must be cut to the correct size for this.
- Special bottom blade L.075.03 can also be used at the bottom.
To make it fit neatly in the frame, it may be necessary to shorten the bottom blade slightly.
- Clip the blades into the blade supports as described above. Bottom blade L.075.03 must also be screwed to the brackets.



6 • AFTER INSTALLING THE CONTINUOUS LOUVRE SYSTEM (CLS)

6.1 • Final check of CLS

When the continuous louvre system is finished, the installer should check the following:

- whether the CLS has been installed in accordance with the plans, stability data and dimensions;
- whether these installation instructions have been followed;
- whether the louvre has any visible faults such as misalignments or damage;
- whether the louvre needs cleaning as a result of becoming dirty during installation.

6.2 • Cleaning the CLS

If any material such as cement, dust, whitewash or the like is left on the wall during installation, it should be washed off immediately with clean water.

Suitable detergents should be used for cleaning after installation.

These are pH-neutral (pH between 6 and 8), synthetic and non-abrasive materials. After treating the wall with detergent products, rinse it well with clean water.

6.3 • Guarantee

See 'ATTEST RENSON® PROJECTS NV GUARANTEE'

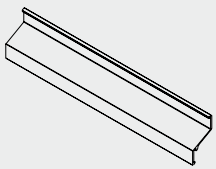

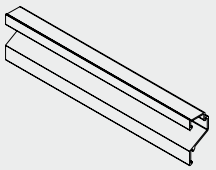

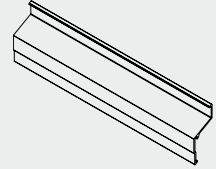

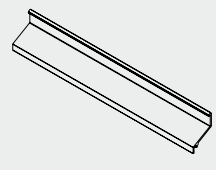

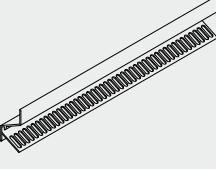
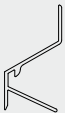
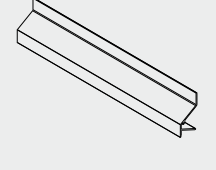

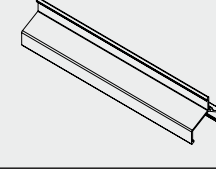
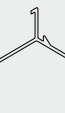
COMPONENT OVERVIEW

CONTENTS

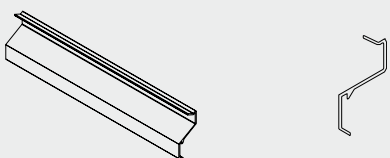
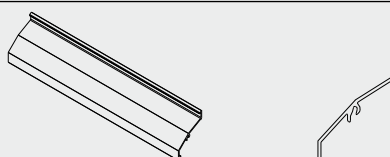
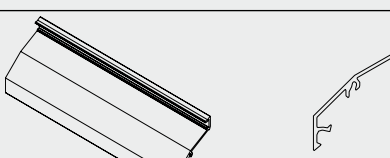
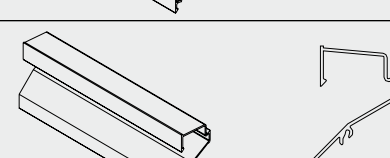
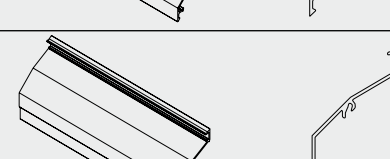
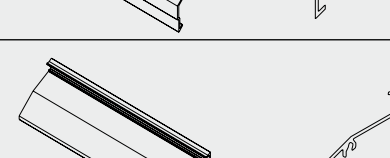
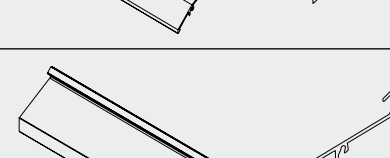
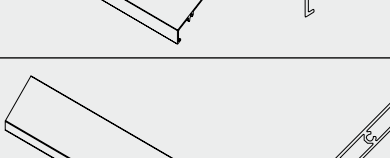
1. Blade overview
2. Support structure overview
3. Bracket overview
4. Blade support overview
5. Accessories overview

1 • BLADE OVERVIEW

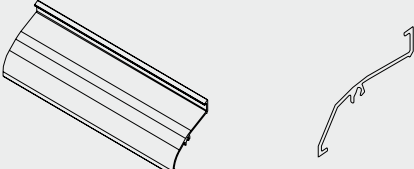
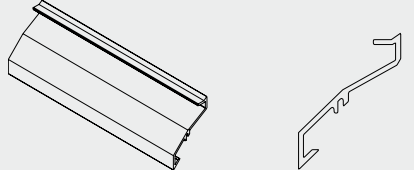
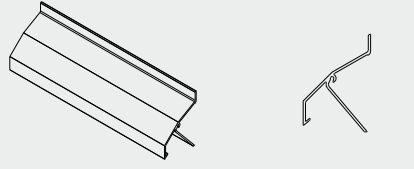
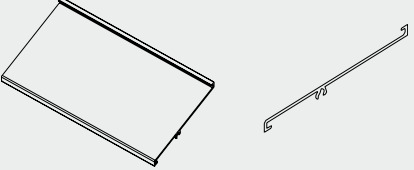
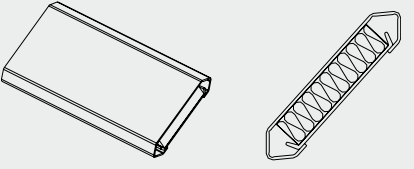
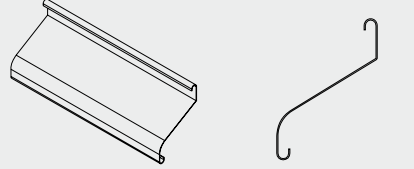
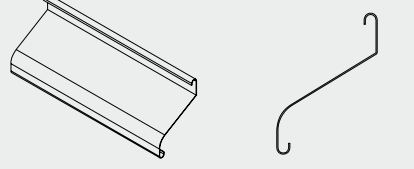
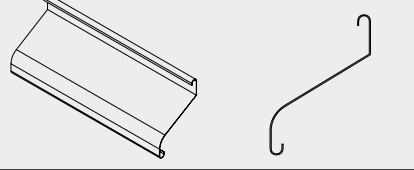
1.1 • Linius® blades

Component	Description	Ref. NO.
 	Blade, 33.3 mm pitch – standard	L.033.01
 	Blade, 33.3 mm pitch – top blade	L.033.02
 	Blade, 33.3 mm pitch – long bottom blade	L.033.03
 	Blade, 33.3 mm pitch – short bottom blade	L.033.04
 	Blade, 33.3 mm pitch – with punched insect mesh	L.033IM1
 	Closed blade, 33,3 mm pitch	L.033CL
 	Blade, 33.3 mm pitch – V-blade	L.033V

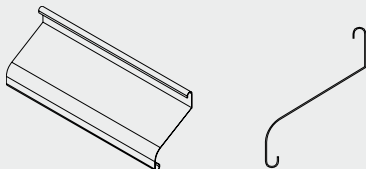
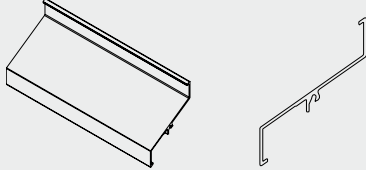
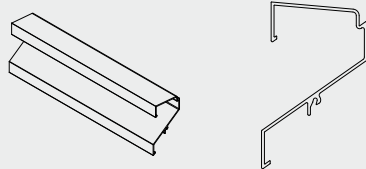
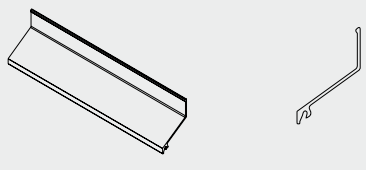
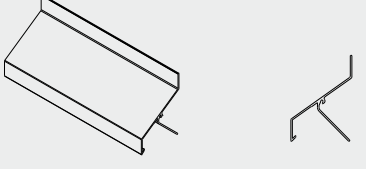
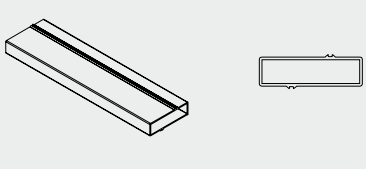
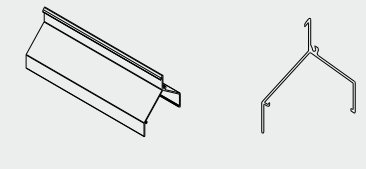
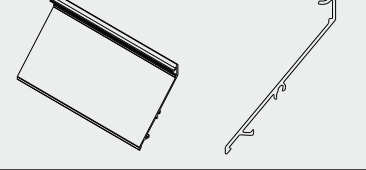
COMPONENT OVERVIEW

Component	Description	Ref. NO.
	Blade, 33.3 mm pitch – storm blade	L.033.08
	Blade, 50 mm pitch – standard	L.050.00
	Blade, 50 mm pitch – for mesh	L.050.01
	Blade, 50 mm pitch – top blade	L.050.02
	Blade, 50 mm pitch – long bottom blade	L.050.03
	Blade, 50 mm pitch – short bottom blade	L.050.04
	Blade, 50 mm pitch – large passage	L.050HF
	Blade, 50 mm pitch – hollow blade	L.050.21

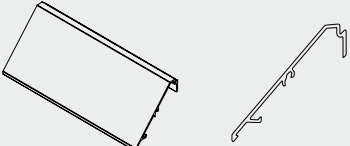
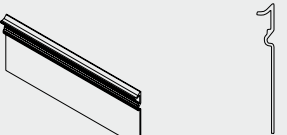
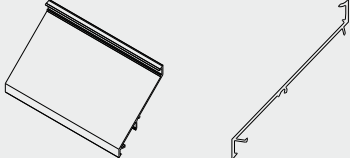
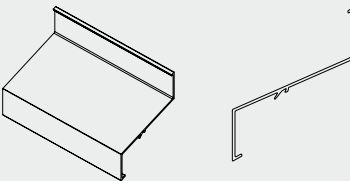
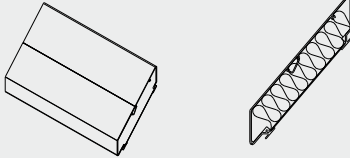
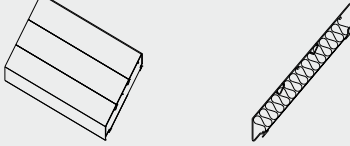
COMPONENT OVERVIEW

Component	Description	Ref. NO.
	Blade, 50 mm pitch – round nose	L.050S
	Blade, 50 mm pitch – for curved louvres	L.050C
	Closed blade, 50 mm pitch	L.050CL
	Blade, 60 mm pitch – large passage	L.060HF
	Acoustic blade, 60 mm pitch	L.060AC
	Rolled aluminium blade, 65 mm pitch	L.065AL
	Rolled aluminium blade, 65 mm pitch Painted in RAL 9006	L.065PC
	Rolled galvanised blade, 65 mm pitch	L.065GL

COMPONENT OVERVIEW

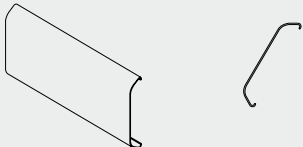
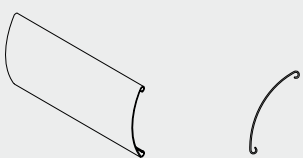
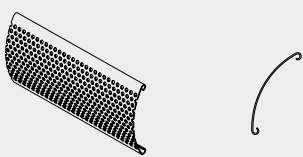
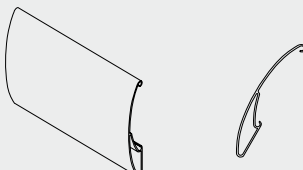
Component	Description	Ref. NO.
	Rolled stainless steel blade, 65 mm pitch	L.065StS
	Blade, 66 mm pitch – standard	L.066.01
	Blade, 66 mm pitch – top blade	L.066.02
	Blade, 66 mm pitch – increased visibility	L.066.21
	Closed blade, 66 mm pitch	L.066CL
	Blade, 66 mm pitch – rectangular blade	L.066P
	Blade, 66 mm pitch – V-blade	L.066V
	Blade, 75 mm pitch – standard	L.075.01

COMPONENT OVERVIEW

Component	Description	Ref. NO.
	Blade, 75 mm pitch – top blade	L.075.02
	Blade, 75 mm pitch – bottom blade	L.075.03
	Blade, 95 mm pitch – standard	L.095.01
	Blade, 120 mm pitch – standard	L.120.01
	Acoustic blade, 150 mm pitch	L.150ACS.01
	Acoustic blade, 150 mm pitch or 170 mm pitch	L.150ACL.01

COMPONENT OVERVIEW

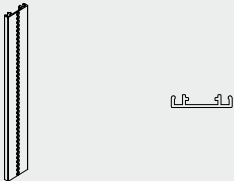
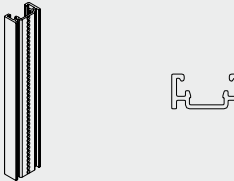
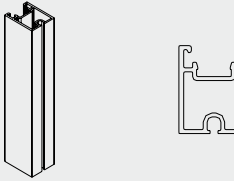
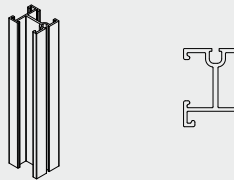
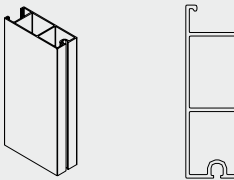
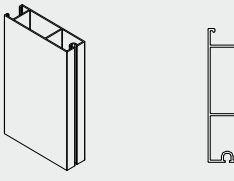
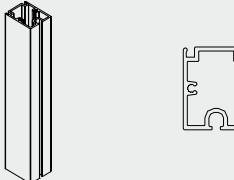
1.2 • Sunclips® blades

Component	Description	Ref. NO.
	Sunclips® Classic	SC.096
	Sunclips® Evo 96	SE.096.01
	Sunclips® Evo 96, perforated	SE.096.02
	Sunclips® Evo 130	SE.130

COMPONENT OVERVIEW



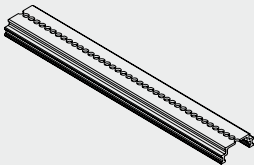

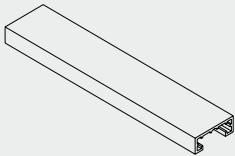

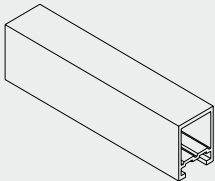
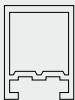
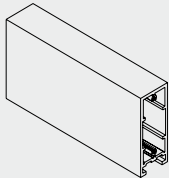
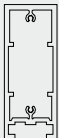
2 • SUPPORT STRUCTURE OVERVIEW

2.1 • Linius® structures

Component	Description	Ref. NO.
	Support structure for extra light loads, depth 6.5 mm	LD.0065
	Support structure for light loads, depth 19.5 mm	LD.0195
	Support structure for medium-heavy loads, depth 46 mm	LD.0460
	Support structure for lateral mounting, depth 44 mm	LD.0440
	Support structure for heavy loads, depth 99,5 mm	LD.0995
	Support structure for extra heavy loads, depth 125 mm	LD.1250
	Intermediate support for cassettes, depth 40 mm	LD.0401

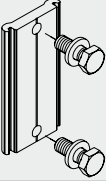
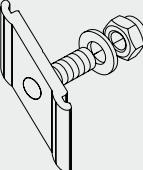
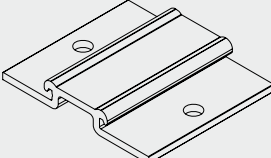
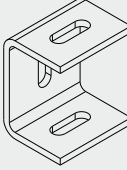
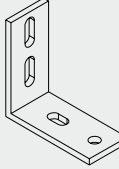
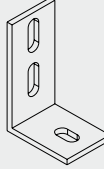
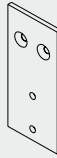

COMPONENT OVERVIEW

2.2 • Sunclips® support structures

Component	Description	Ref. NO.
 	Aluminium box profile with bolt channels, depth 40 mm	LZ.4120
 	Adapter profile	LD.0108
 	Light support	SD.014
 	Standard support	SD.054
 	Heavy support	SD.100

COMPONENT OVERVIEW

3 • OVERVIEW RENSON® BRACKETS (OPTIONAL)

Component	Description	Ref. NO.
	Fixed bracket - type 1	LZ.4202
	Fixed bracket - type 2	LZ.4211
	Sliding bracket	LZ.4206
	U-bracket, U 58 x 50 x 58	LZ.4210
	Bracket, 80 x 80 x 5	LZ.4203
	Bracket, 80 x 50 x 4	LZ.4209
	Mounting plate type 1 for tubular profile LZ.4120	LZ.4204
	Mounting plate type 2 for tubular profile LZ.4120	LZ.4205



COMPONENT OVERVIEW

4 • BLADE SUPPORT OVERVIEW



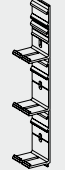
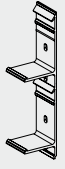
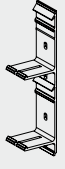


4.1 • Linius® blade supports

Component	Description	Ref. NO.
	Single blade support for L.033	L.033.11
	Double blade support for L.033	L.033.12
	Single blade support for L.050	L.050.110
	Double blade support for L.050	L.050.120
	Single blade support for L.060HF	L.060HF.11
	Double blade support for L.060HF	L.060HF.12
	Single blade support for L.060AC	L.060AC.11
	Double blade support for L.060AC	L.060AC.12




COMPONENT OVERVIEW

Component	Description	Ref. NO.
	Blade support for L.065AL	L.065AL.11
	Double blade support for L.065AL	L.065AL.12
	Blade support for L.065GL and StS	L.065GL.11
	Double blade support for L.065GL and StS	L.065GL.12
	Single blade support for L.066	L.066.11
	Double blade support for L.066	L.066.12
	Single blade support for L.066 – 1 blade	L.066.13
	Double blade support for L.066 – 1 blade	L.066.14

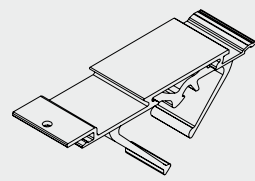
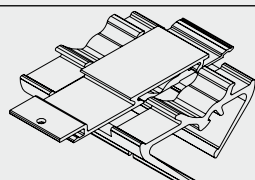
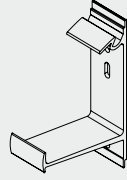
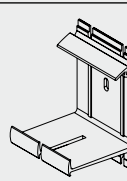
COMPONENT OVERVIEW

Component	Description	Ref. NO.
	Single blade support for L.066P	L.066P.11
	Double blade support for L.066P	L.066P.12
	Single blade support for L.075	L.075.11
	Double blade support for L.075	L.075.12
	Single blade support for L.095	L.095.11
	Double blade support for L.095	L.095.12
	Single blade support for L.120	L.120.11
	Double blade support for L.120	L.120.12

COMPONENT OVERVIEW

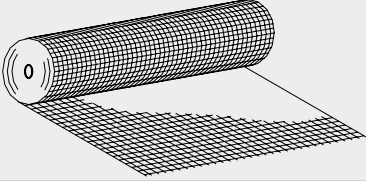
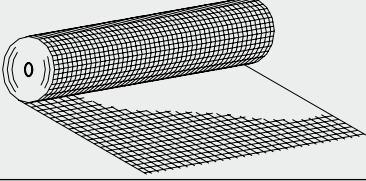
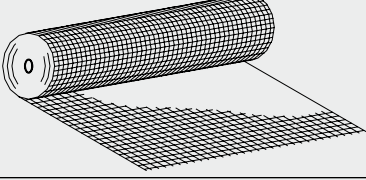
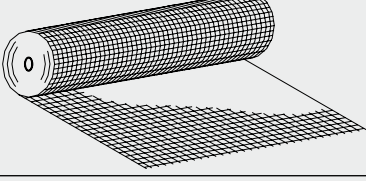
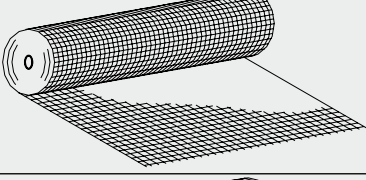
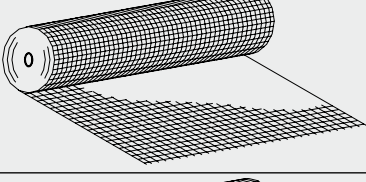
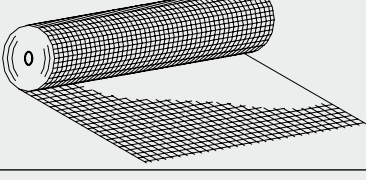
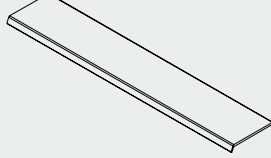
Component	Description	Ref. NO.
	Blade support for L.150ACS.01	L.150ACS.11
	Blade support for L.150ACL.01 with 150 mm pitch	L.150ACL.11
	Blade support for L.150ACL.01 with 170 mm pitch	L.170ACL.11

4.2 • Sunclips® blade supports

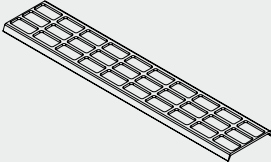
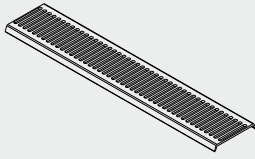
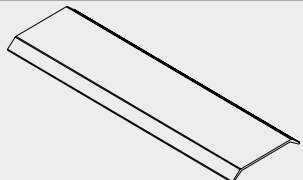
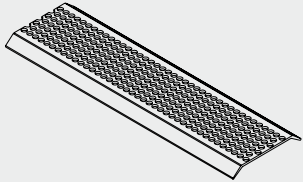
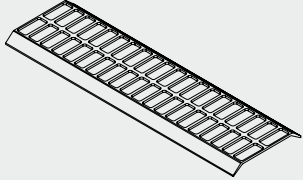
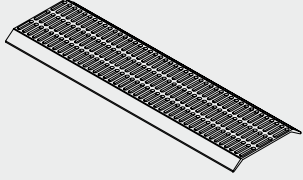
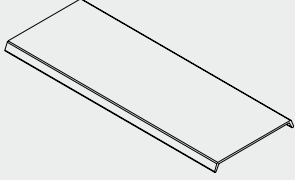
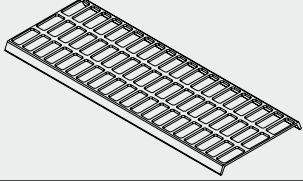
Component	Description	Ref. NO.
	Aluminium clip, Classic 45°	SC.082.11
	Aluminium join clip, Classic 45°	SC.082.12
	Aluminium clip, Evo 45°	SE.082.11
	Aluminium join clip, Evo 45°	SE.082.12

COMPONENT OVERVIEW

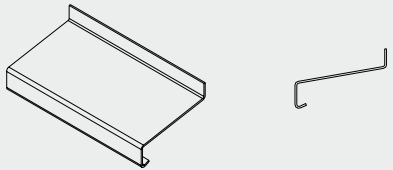
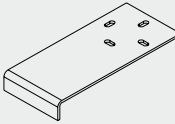
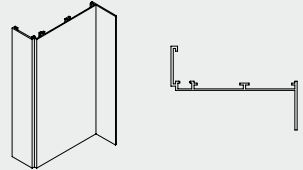
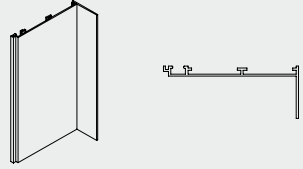

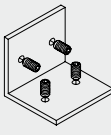
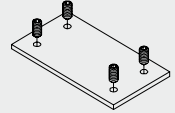
5 • ACCESSORIES OVERVIEW

Component	Description	Ref. NO.
	Insect mesh stainless 304, mesh width 2.3 x 2.3 mm Roll 1.0 m x 50 m (W x L)	LZ.6001
	Insect mesh stainless 304, mesh width 2.3 x 2.3 mm Roll 1.2 m x 10 m (W x L)	LZ.6002
	Insect mesh stainless 304, mesh width 2.3 x 2.3 mm Roll 1.2 m x 25 m (W x L)	LZ.6003
	Bird mesh stainless 304, mesh width 6 x 6 mm Roll 1.2 m x 10 m (W x L)	LZ.6004
	Bird mesh stainless 304, mesh width 6 x 6 mm Roll 1.2 m x 25 m (W x L)	LZ.6005
	Bird mesh stainless 304, mesh width 6 x 6 mm Roll 1.5 m x 25 m (W x L)	LZ.6006
	Vermin mesh, stainless 304, mesh 20 x 20 mm Roll 1.3 m x 50 m (W x L)	LZ.6007
	Dense sheet (BOP) for blade type L.050.01	L.050.31

COMPONENT OVERVIEW

Component	Description	Ref. NO.
	Bird mesh for blade type L.050.01	L.050.33
	Insect mesh for blade type L.050.01	L.050.34
	Dense sheet (BOP) for blade type L.075.01	L.075.31
	Insect mesh with round openings for blade type L.075.01	L.075.32
	Bird mesh for blade type L.075.01	L.075.33
	Insect mesh with rectangular openings for blade type L.075.01	L.075.34
	Dense sheet (BOP) for blade type L.095.01	L.095.31
	Bird mesh for blade type L.095.01	L.095.33

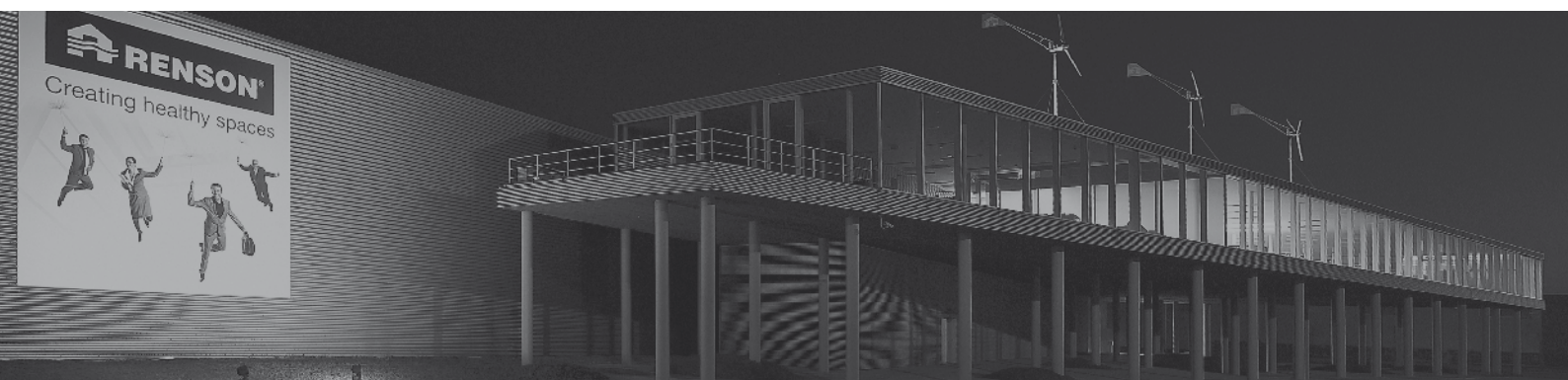
COMPONENT OVERVIEW

Component	Description	Ref. NO.
	Sill profile	LZ.4140
	Bracket for sill profile LZ.4140	LZ.4201
	Frame with flange for L.075 system	L.075.21
	Frame without flange for L.075 system	L.075.22
	Sealing rubber for L.075 frames	L.075.41
	Corner trim connector for L.075 frames	LZ.4207
	Intermediate trim connector for L.075 frames	LZ.4208

SUNPROTECTION-PROJECTS

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RENSON® Sunprotection-Projects SA • IZ 2 Vijverdam • Maalbeekstraat 6 • B-8790 Waregem • Belgium
Tel: +32 (0)56 62 71 07 • Fax: +32 (0)56 62 71 47 • info@renson.be • www.renson.eu

