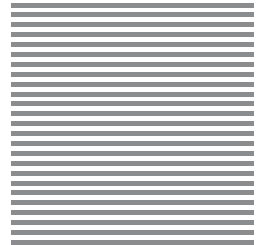


SL27C SL32C

VENETIAN BLIND

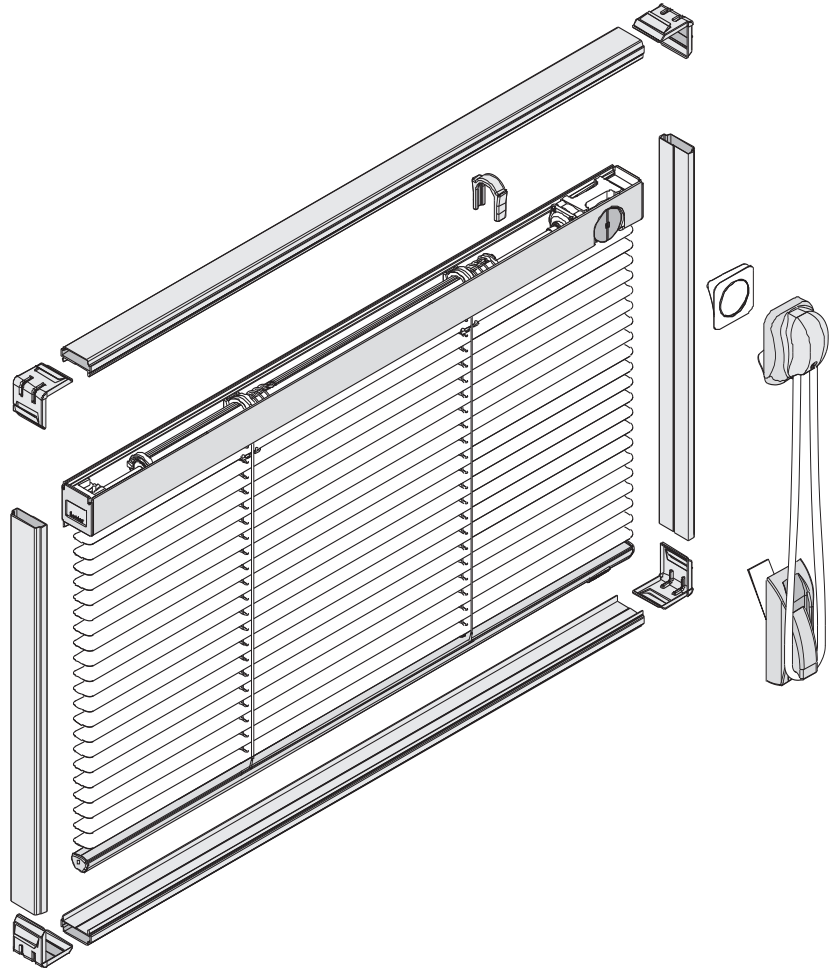


ScreenLine®

ScreenLine

SL27C

SL32C



The ScreenLine® venetian blinds SL27C and SL32C are designed for use in double-glazed units, are manufactured in accordance with high technical specification and production standards. The slat raising, lowering and tilting function is achieved using a rotational magnetic transmission through the glass thereby guaranteeing the unit's hermetic seal. The external magnet, fixed to the internal glass by double-sided high performance adhesive allows perfect alignment with the internal magnet. The raising and lowering operation is achieved using a continuous cord loop that drives the external magnet. The cord is held lightly under tension by a cord tensioner on the glass directly below the external magnet. A special mechanical end stop inside the head rail guarantees that the blind stops at its the lowest position. The cord winding system ensures that the bottom rail moves perfectly parallel.

Height	300 ~ 3.000 mm
Width	300 ~ 3.000 mm
Max. Area	see feasibility tables
Blind stack height	3.4% of height + 40 mm

1. technical features

Magnetic drive components

Fibreglass re-inforced nylon 66 casing. Transmission gears and parts manufactured from carbon-nitride steel. Ball bearing support for both magnets and gears.

Neodymium-Iron-Boron magnets with the following technical features:

Energy produced	Bh max-Mg.Oe	33-35
Residual inductio	Br-Gauss	11.000 / 12.000
Coercive force	Hc-Oestered	10.000
Maximum working temperature	°C	120
Curie temperature	°C	310
Reversible temperature factor	°C	-0.12%

Head rail

Extruded aluminium, A6063S-T5 alloy. Dimensions: width 27 mm, height 36 mm with pelmet. Powder coated to colour co-ordinate the slats. Designed with a special interlocking mechanism for easy and quick assembling of head rail to the upper U-shaped spacer bar.

Slat

Aluminium, AA 6011-T8 alloy. Dimensions: width 16 mm, thickness 0.2 mm. High-resistance polyester paint. Available colours: nine. The slat have a special treatment designed to eliminate possible emissions of chemical products inside the double-glazed unit, when exposed to ultraviolet and heat radiation i.e. non-fogging.

Solar and light performances of the slat only

SLAT COLOUR	S102	S106	S125	S130	S142	S149	S155	S156	S157
Solar reflection %	70	62	57	58	65	68	42	65	43
Light reflection %	78	72	63	65	69	75	48	62	44
Solar absorption %	31	38	43	42	35	32	59	35	57

Bottom rail

Extruded aluminium A6063S-T5 alloy. Dimensions: width 14 mm, height 11 mm. Powder coated to colour co-ordinate the slats. Manufactured in two interlocking profiles.

Ladder

Thermo-fixed 100% polyester. 12 mm pitch. Excellent dimensional and colour stability to UV rays. Treated to avoid any possible emissions of chemical products inside the double-glazed unit when exposed to ultraviolet rays and heat. Colour co-ordinate the slats.

Cords

Thermo-fixed 100% polyester internal cord, with excellent dimensional stability. 1.0 mm diameter - colour white. External cord, 4 mm diameter. Colours: white, black or light grey.

Spacer bar

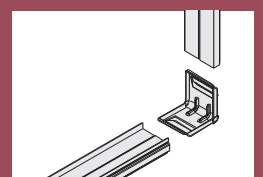
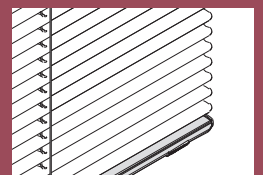
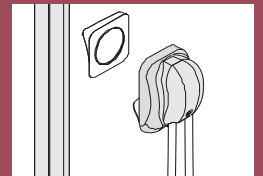
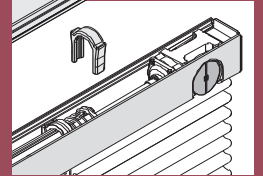
Extruded aluminium. Available in two versions for each system:

SL27: standard spacer bar dimension 27 x 8 mm; "U" shaped spacer bar 27 x 8 mm with 4 mm clipping projection for head-rail connection.

Option: "L" shaped side spacer bar 27 x 8 mm with 10 mm projection on one side.

SL32: "C" spacer bar dimension 32 x 8 mm with 12 mm pelmet; "U" shaped spacer bar 32 x 8 mm with 4 mm clipping projection.

No-dust treatment available for: "L" shaped (27 mm) and "C" shaped (32 mm) spacer bars.



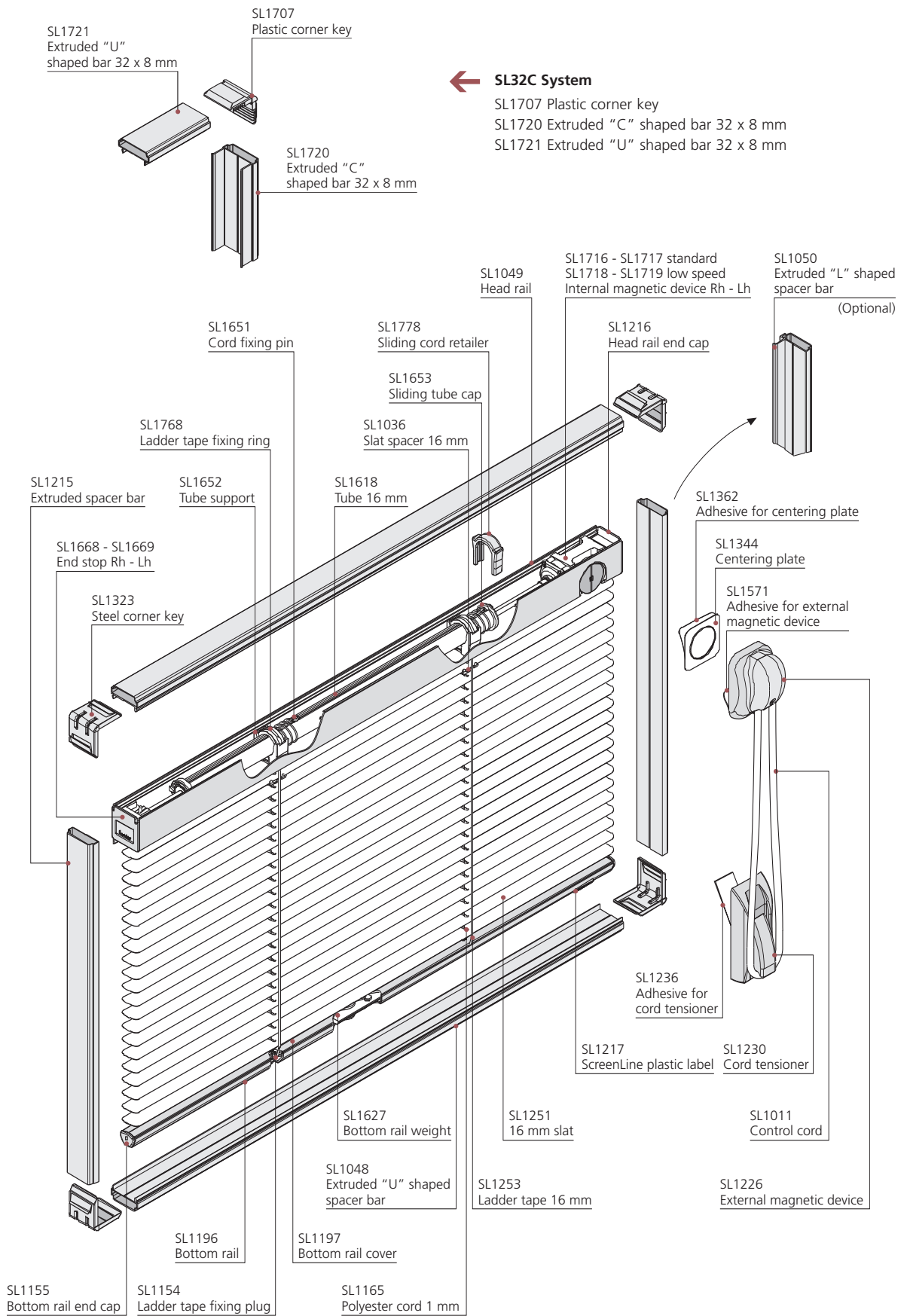
SL27C

2. technical drawings

comprehensive drawing with component codes

SL32C System

- SL1707 Plastic corner key
- SL1720 Extruded "C" shaped bar 32 x 8 mm
- SL1721 Extruded "U" shaped bar 32 x 8 mm

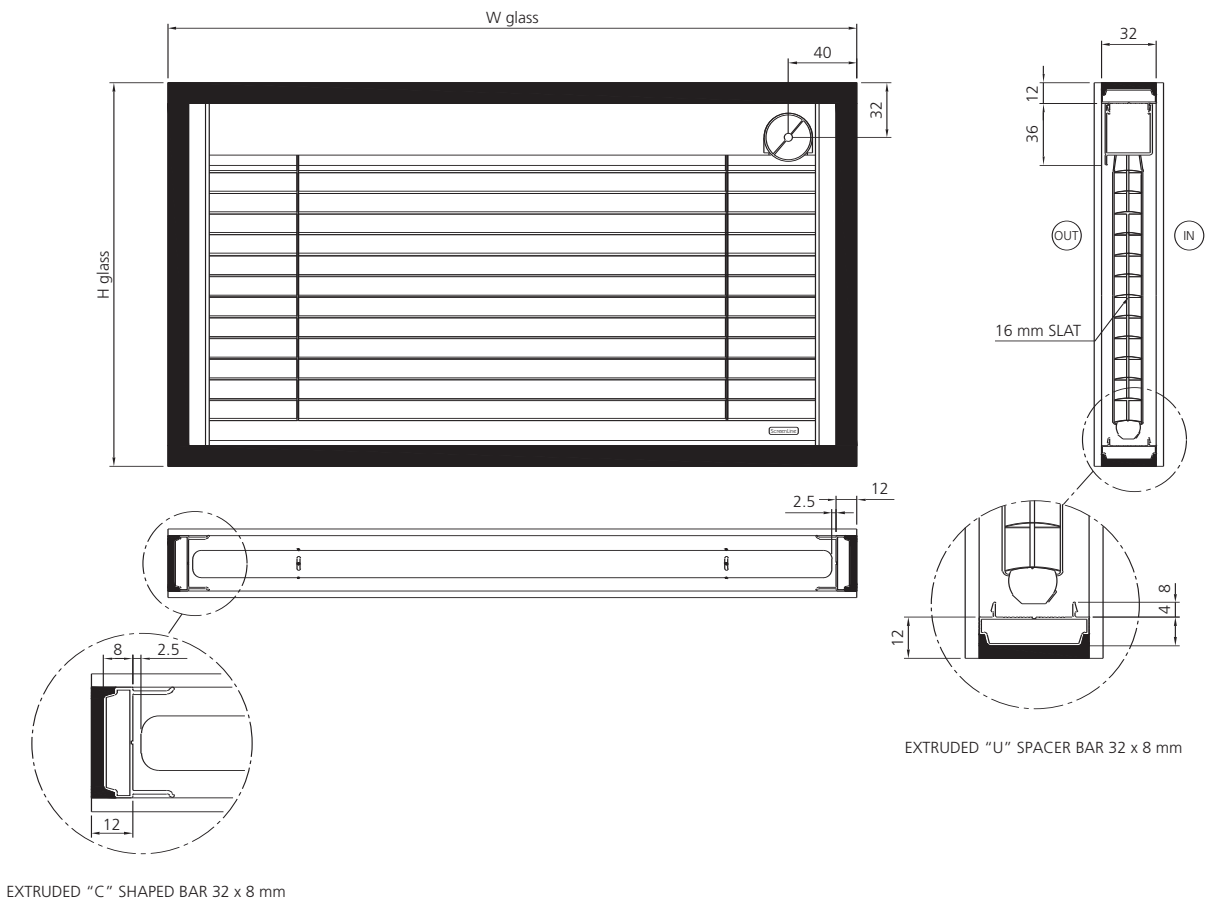
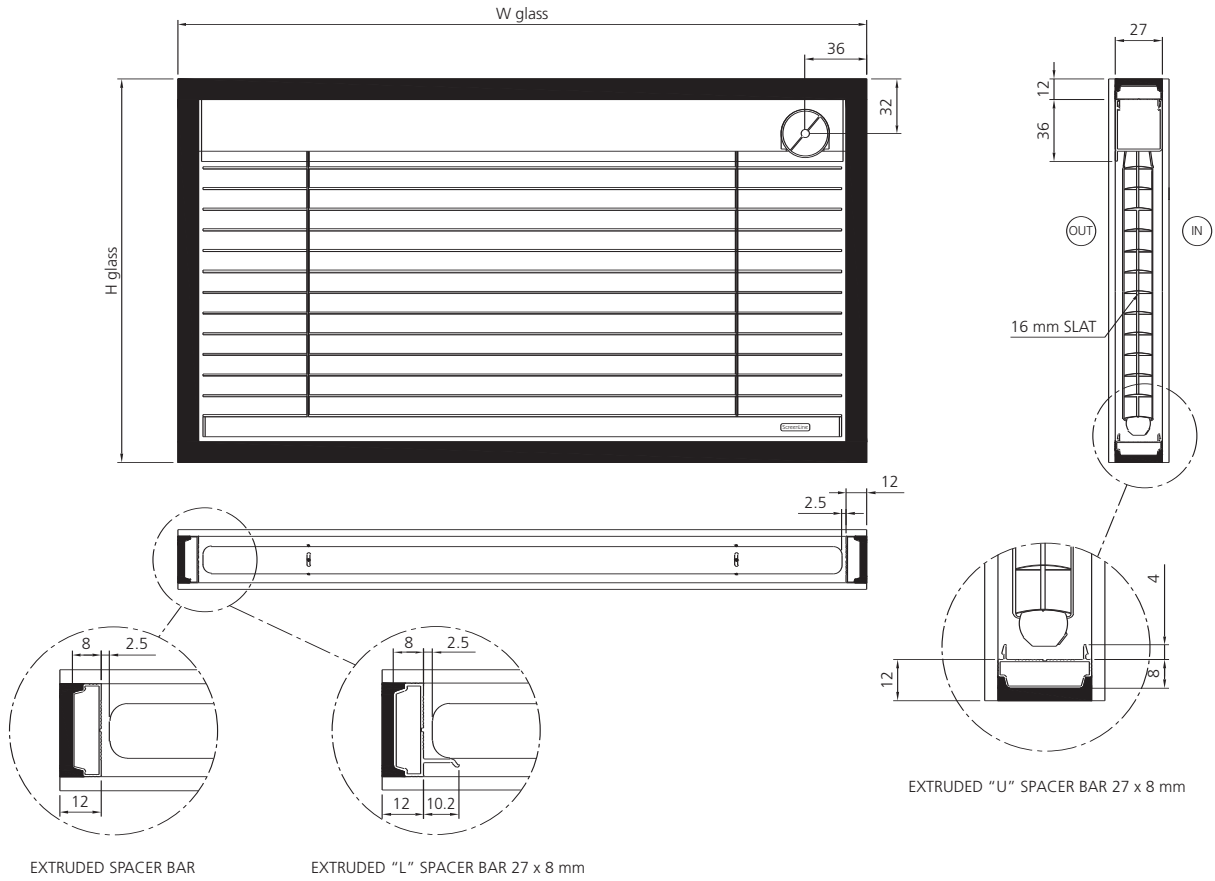


SL32C

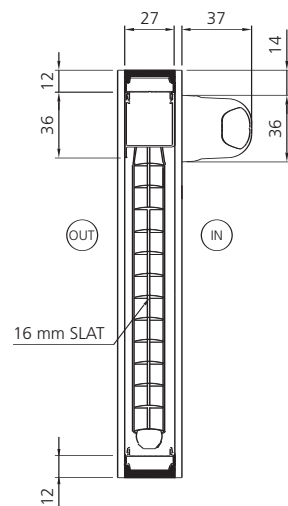
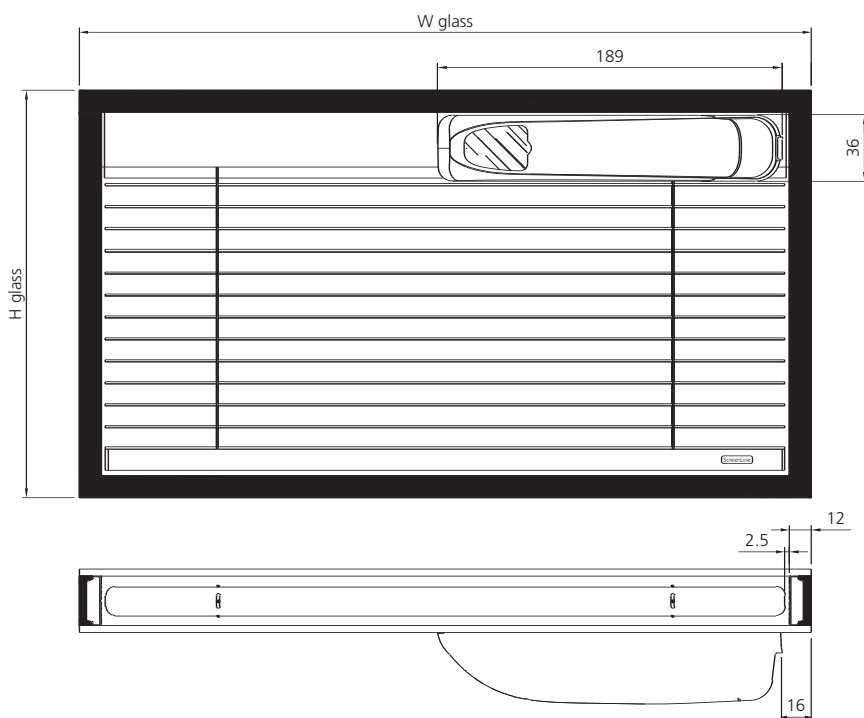
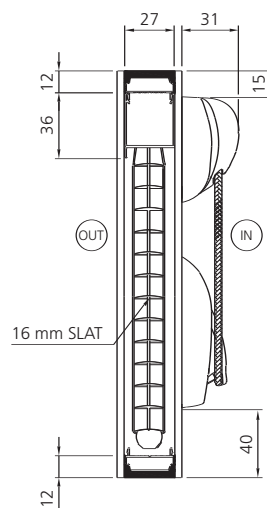
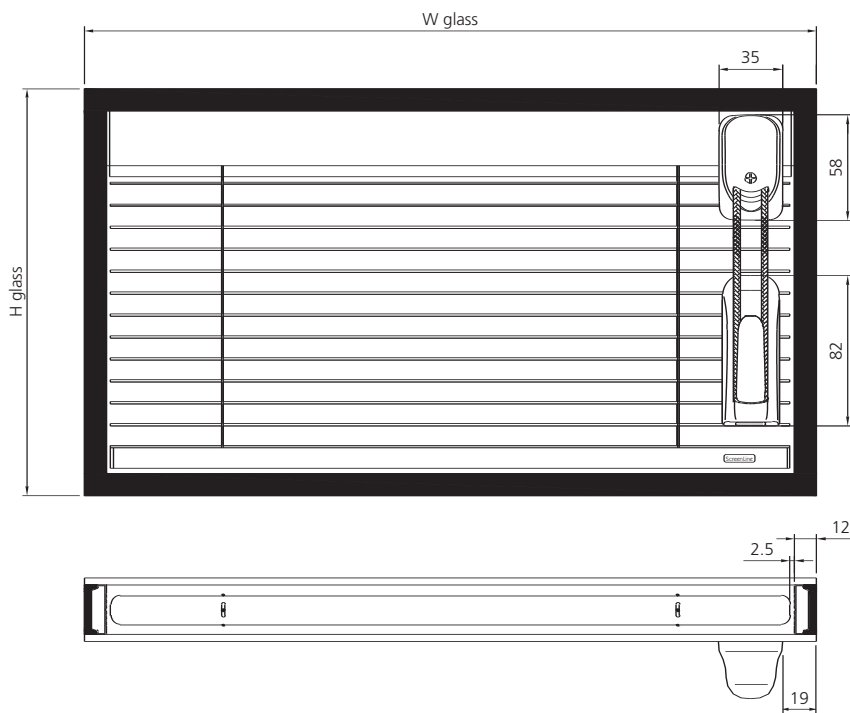
SL27C drawing with component codes

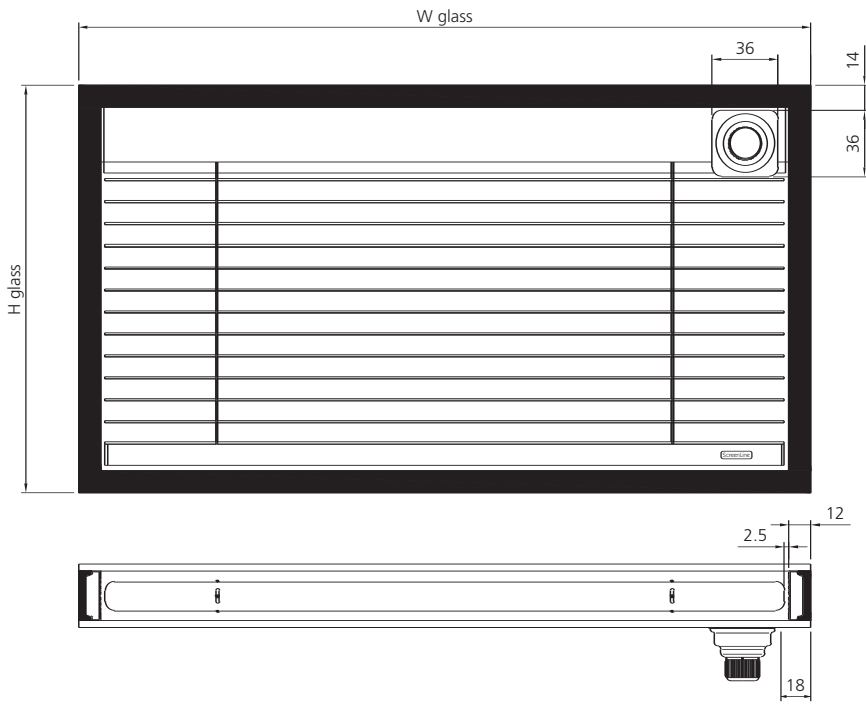
venetian blind

SL27C SL32C

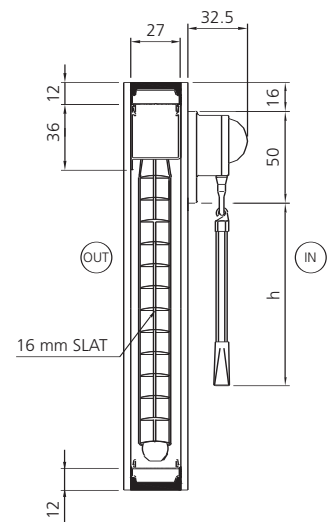
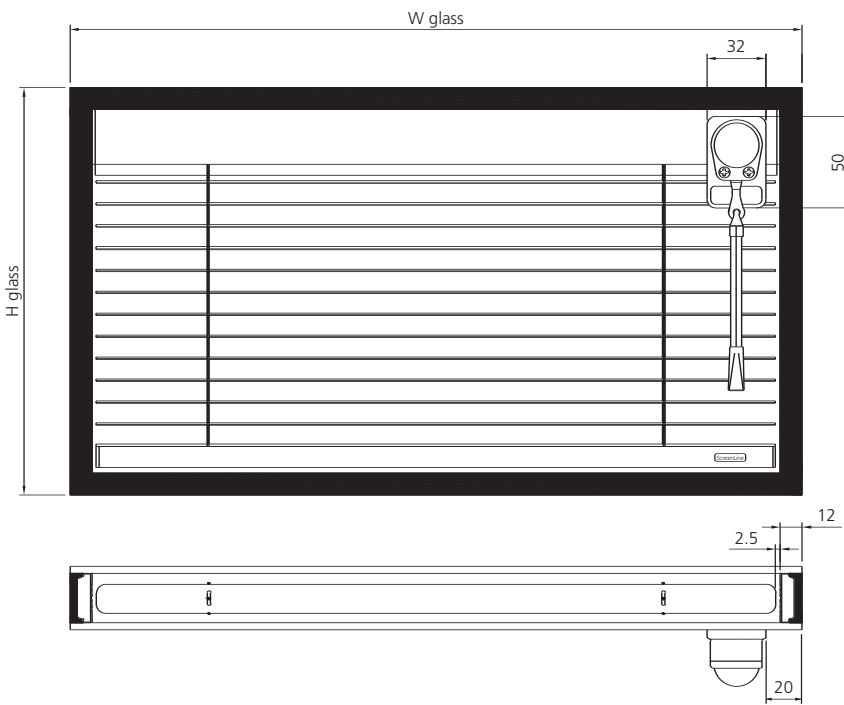
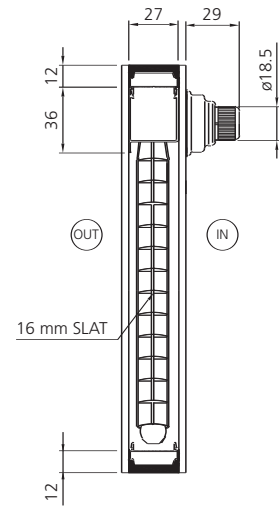


raising, lowering and tilting functions





tilt only



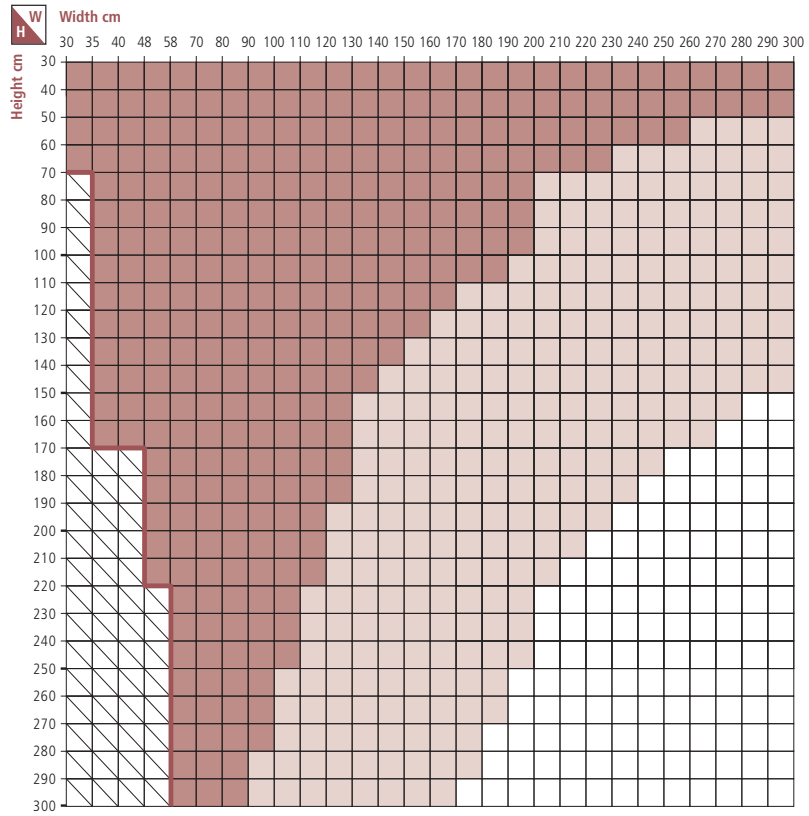
SL27C double-glazed unit with frontal knob operation

SL27C double-glazed unit with wand operation

SL27C

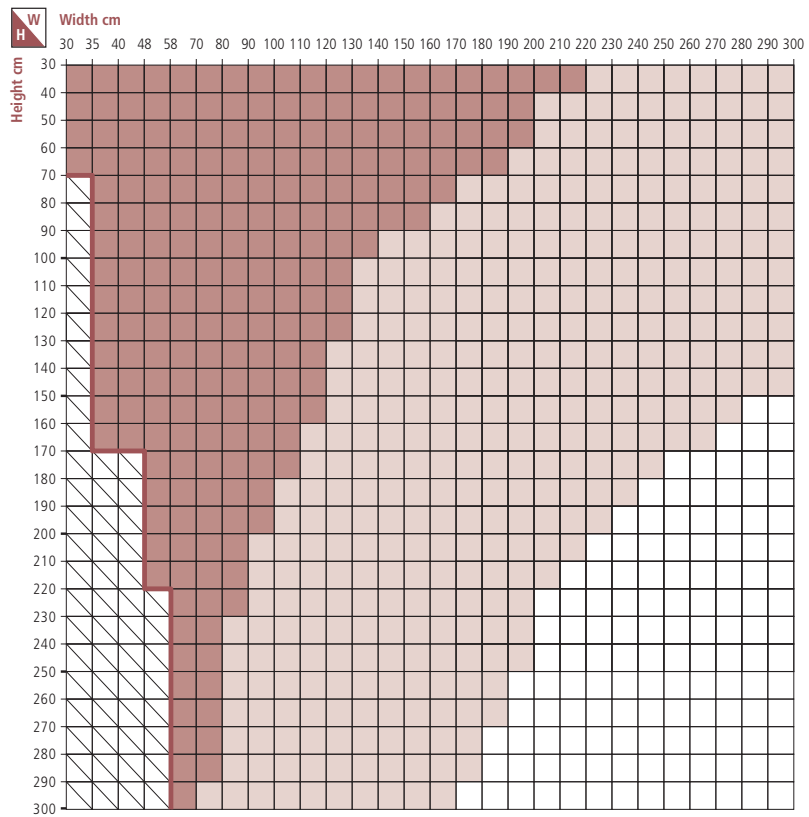
4


glass thickness **4 mm** Monolithic





5


glass thickness **5 mm** Monolithic



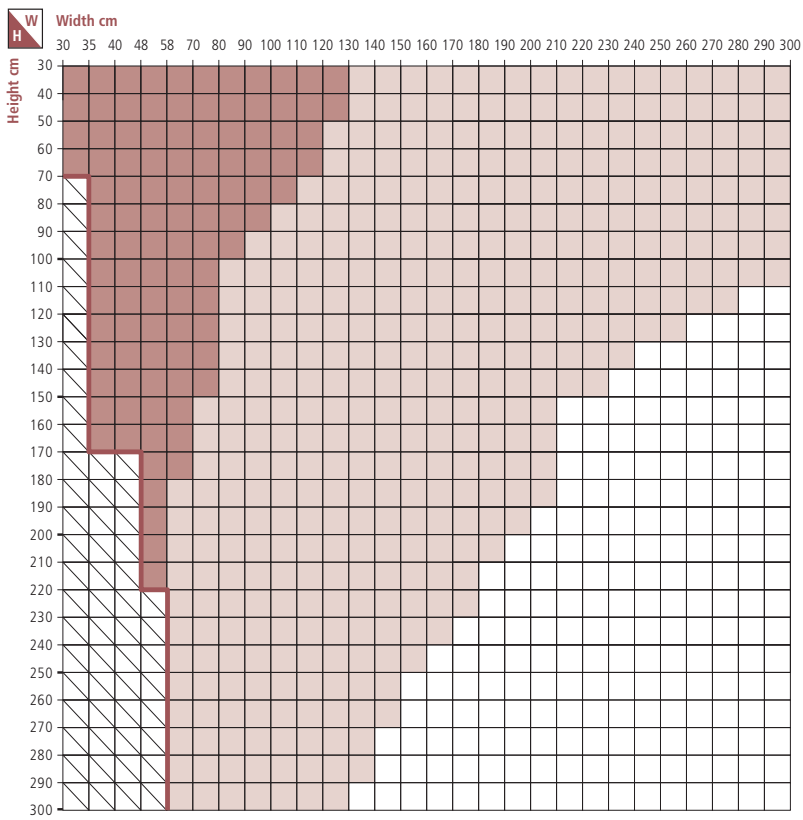
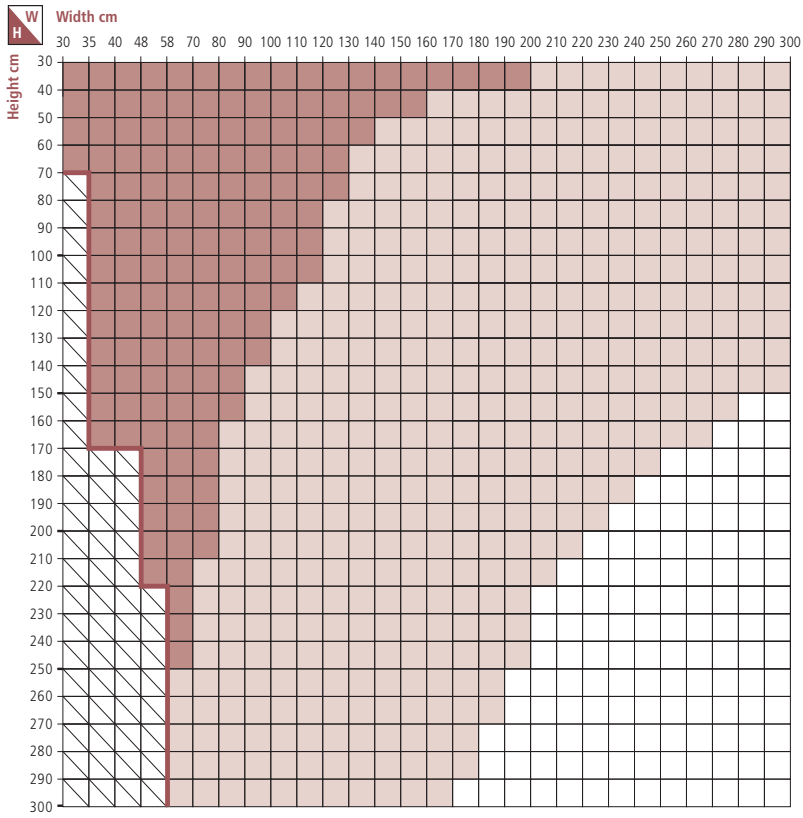
 Raisable with standard speed System


 Raisable with reduced speed System


 Tilt only with blind delivered raised and packaged


 Tilt only with fixed bottom rail or double head rail


3. feasibility



 Raisable with standard speed System

 Raisable with reduced speed System

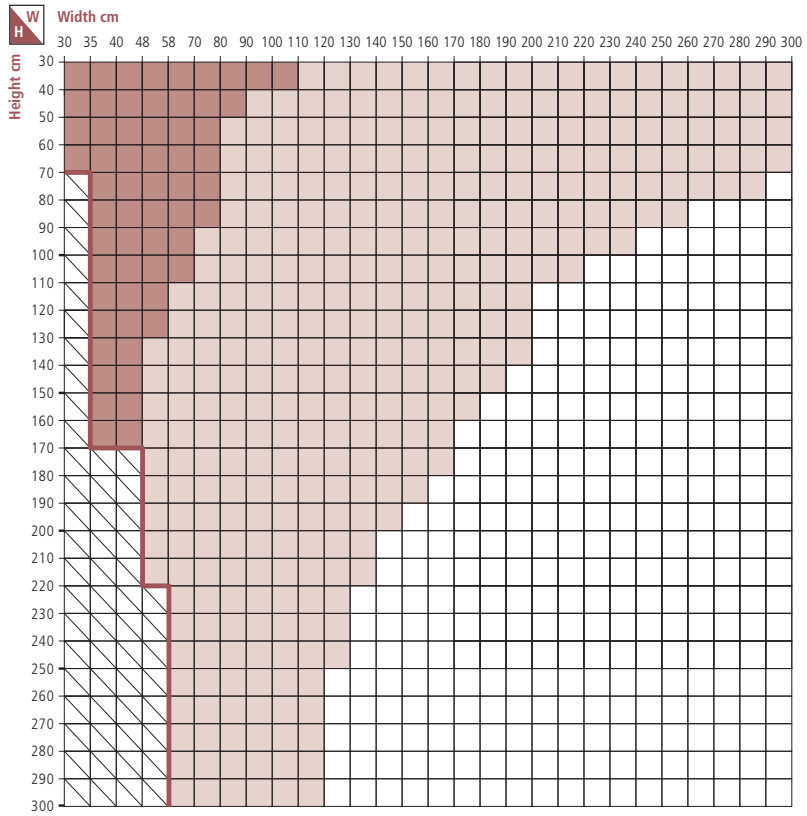
 Tilt only with blind delivered raised and packaged

 Tilt only with fixed bottom rail or double head rail

SL27C

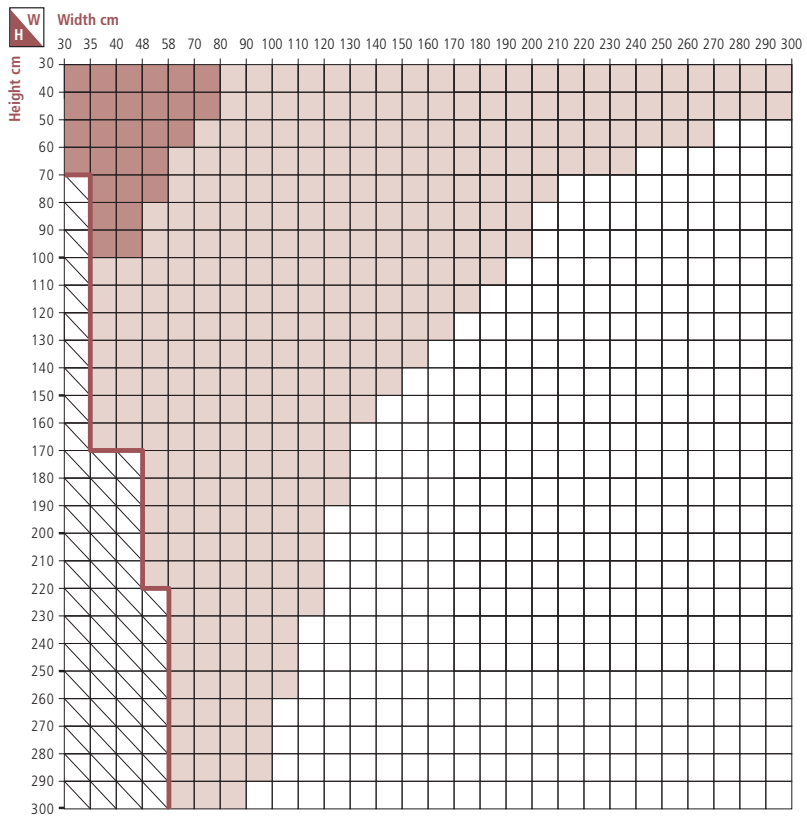
8


glass thickness **8 mm** Monolithic





9


glass thickness **9 mm** Laminated 44.1 44.2



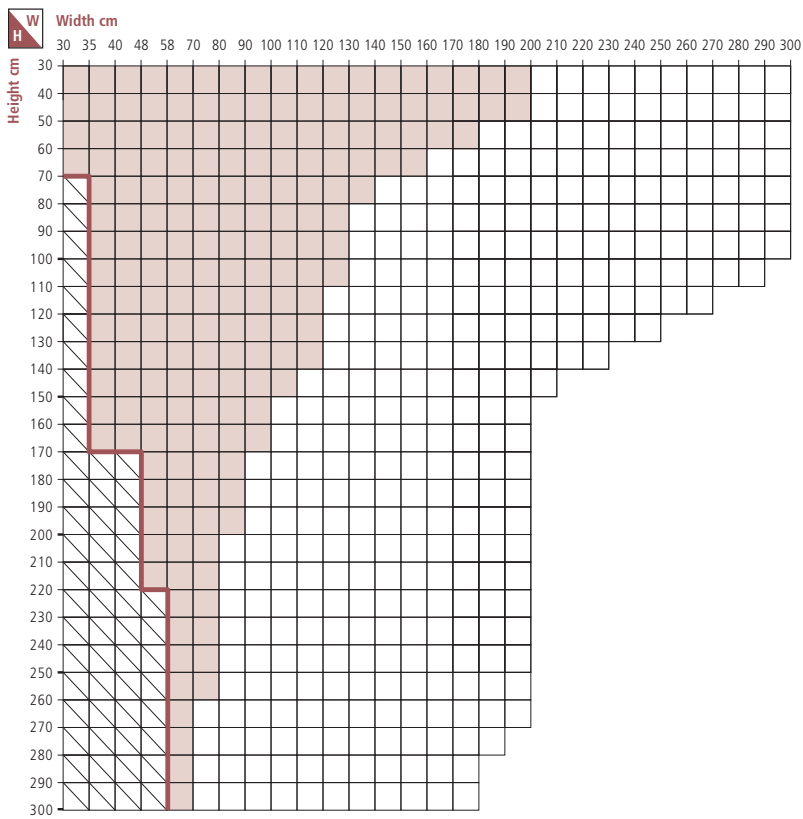
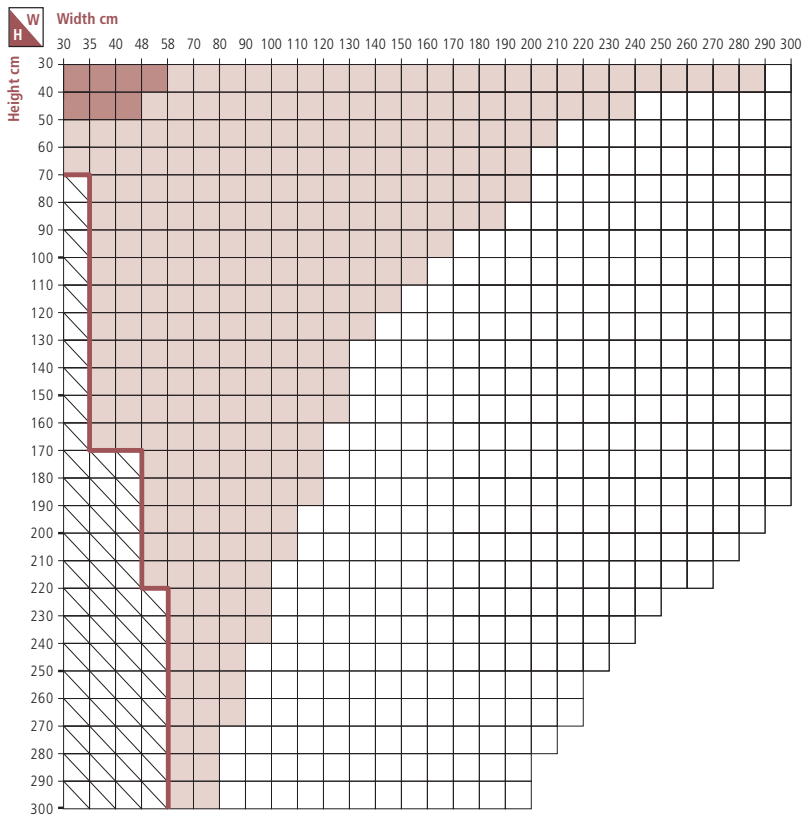
 Raisable with standard speed System

 Raisable with reduced speed System

 Tilt only with blind delivered raised and packaged

 Tilt only with fixed bottom rail or double head rail

feasibility



- Raisable with standard speed System
- Raisable with reduced speed System
- Tilt only with blind delivered raised and packaged
- Tilt only with fixed bottom rail or double head rail

10

glass thickness **10 mm** Monolithic

11

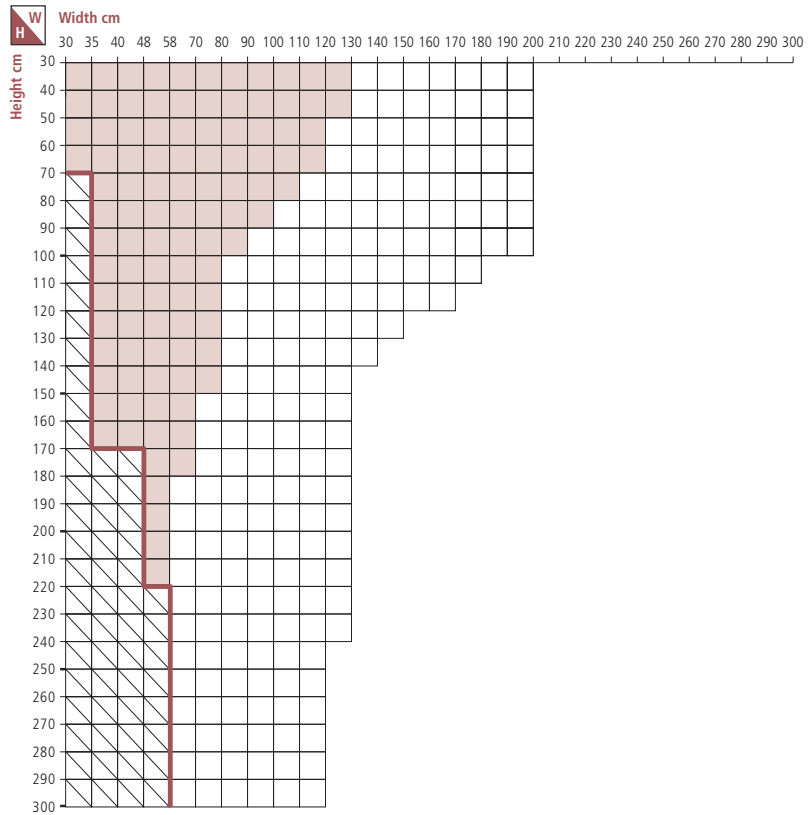
glass thickness **11 mm** Laminated 55.1 55.2 55.4


SL27C


feasibility


13


glass thickness **13 mm** Laminated 66.1 66.2 66.4



 Raisable with standard speed System

 Raisable with reduced speed System

 Tilt only with blind delivered raised and packaged

 Tilt only with fixed bottom rail or double head rail

