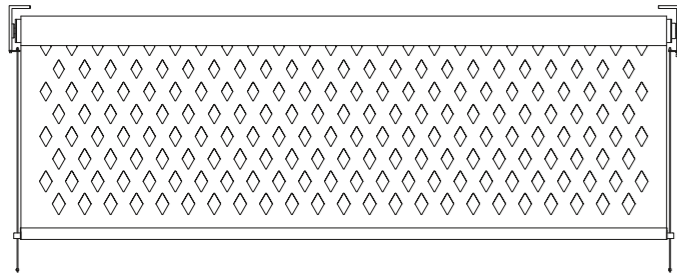
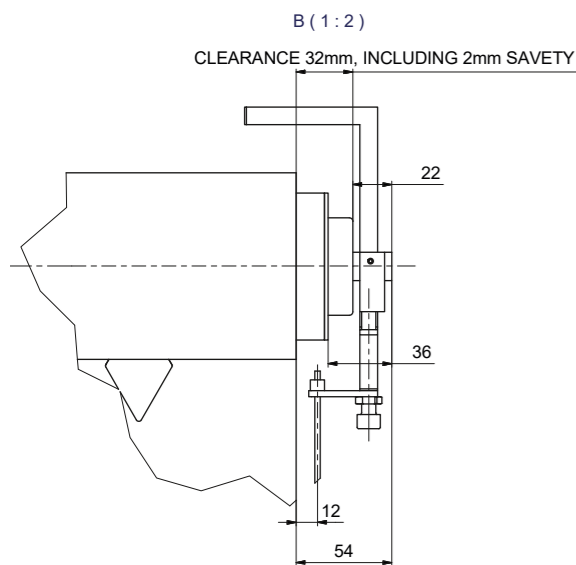


**Large Area Roller Blind  
Roller Blind XL**



Extraordinary large, motorized roller blind. Dimensions of up to 4 m in width and a maximum drop of up to 13 m in height are possible.

Very durable design for worry-free operation based on an 80mm rigid aluminum tube for minimum deflection and solid metal brackets. Lateral height adjustments on drive and idle side possible. Different motor and control options and a wide range of fabrics available. The light gap at the side is only 32mm.



**Special Large Area Shading  
Panel 360**

Panel 360 is the solution that allows the movement of large panels just as easily as a vertical blind. While panel shading systems are a popular way of shading – their main disadvantage is that they are not able to follow the sun or provide partial shading. Panel 360 is far more than an ordinary panel system – it is a complete new solution that offers unique possibilities. The Panels can turn a full 360 degrees and in combination with an intelligent control system can follow the movements of the sun.

Panel sizes of up to 700 mm x 4500 mm. Panels are transported in 90 degree position for compact stack. Runners and components are optimized for large panel sizes.

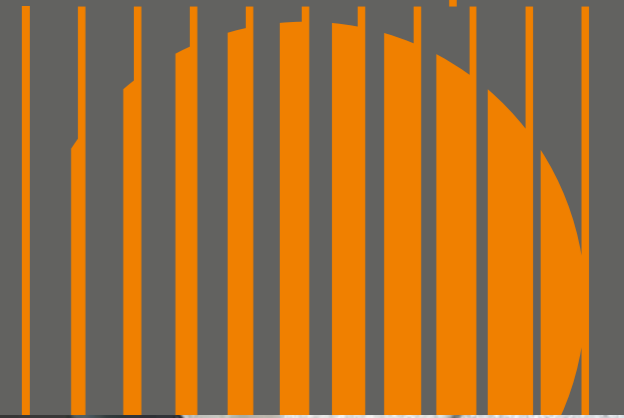
The runners and all other components are produced of high quality materials and have been extensively tested to ensure proper operation for many years. The panels are held in position with a special connection that allows to detach or attach them with a simple twist. An important detail in particular when it comes to cleaning or maintenance of the area where the system is installed.



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**Sundrape >Special Shading< - the extraordinary is our routine.**

At Sundrape we have extensive experience in all kind of special shading solutions. This brochure gives you only a glimpse of what is possible. We are very well integrated and able to make modifications and changes to our systems for solving new challenges in solar shading.

This experience and flexibility makes a Sundrape a preferred choice for special shading solutions worldwide.

**What to consider about >Special Shading<**

Special Shading has unique challenges and no project is the same as the previous one. Please note that maximum limit sizes are depending on various factors including not only fabric weights, slope angles, installation requirements among others. Talk to us in the early stage of any project to lay solid foundations for a smart and durable solution.

**What else from Sundrape**

Special Shading is only one of many product lines from Sundrape. Find out more on our homepage at [www.sundrape.com](http://www.sundrape.com). A short overview:

- Roller blind systems - manual and motorized
- Vertical blind systems - manual and motorized
- Curtain track systems - straight and curved, from small windows up to small stage curtains and cinemas.
- Plafond systems
- Bended vertical blinds - manual or motorized
- Special heavy duty motorized vertical blinds for lead slats for x-ray protection.

Technical data are subject to change.

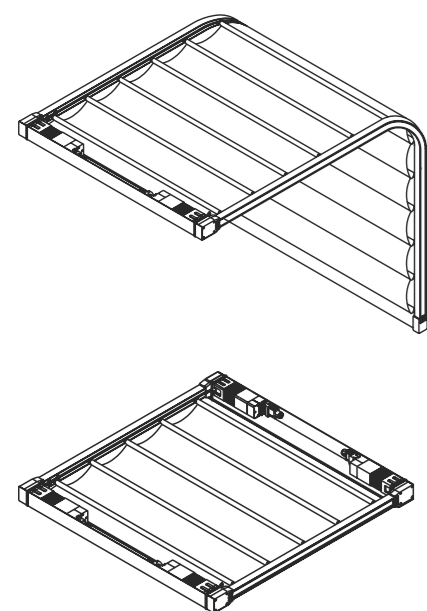
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**> Special Shading <**

**Wintergarden shading  
System 5066**



The wintergarden fabrics are moved by means of an endless toothed drive belt in one-track aluminum rails, straight or bent, with a minimum bending radius of 350 mm. The motors operate synchronously. Small blinds can be equipped with a single-motor or with manual operation and endless ball chain. Larger systems with an individual motor per rail in tandem configuration or two motors per rail at each end for very large systems. A cover profile at the driving side supports and covers the motors.

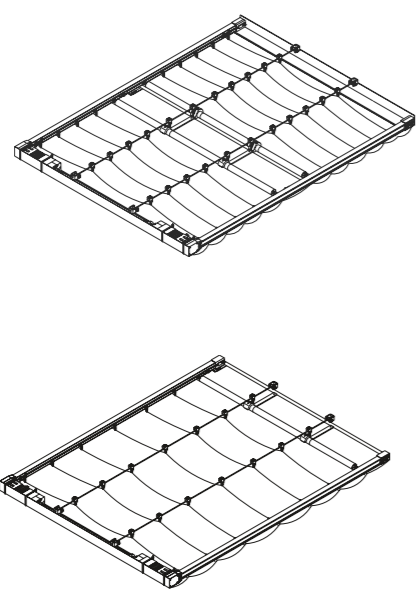
Blinds with a maximum length of 14 m or maximum width of 3 m are operated with 230 V motors, available with four different power capacities. The motors and the drapery stacks can be placed either at the upper or at the lower end of the rail.

The drapery is fitted with loops bearing telescopic support rods. The distance between the rods is approx. 400 mm (blind closed), so that the loop drop figures about 200 mm.

The drapery can be ordered either in one part or in two parts with an overlap of about 180 mm.



**Plafond  
System 5070**



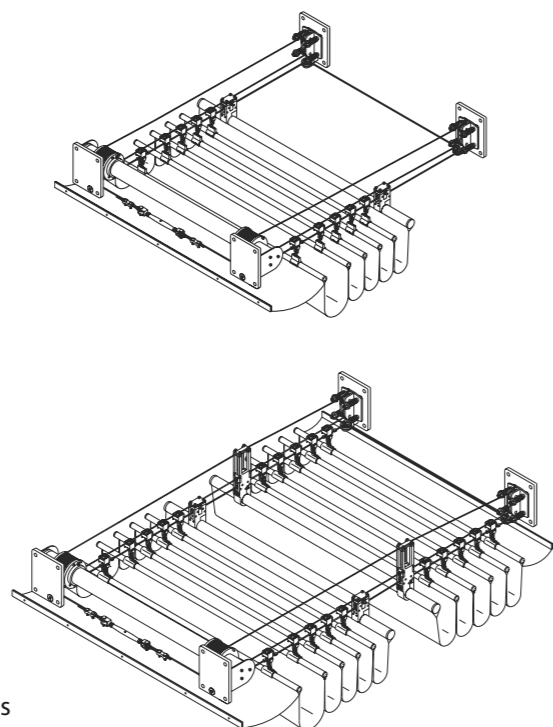
The fabrics are moved by means of endless toothed drive belt in straight one-track aluminum rails. The motors are running in synchronous operation. Smaller blinds up to 28 m<sup>2</sup> are available as manually operated systems, working with an endless ball chain. The rail gears are, in this case, connected via a shaft. A cover profile at the driving side supports and covers the motors.

Blinds of a maximum length of 14 m or maximum width of 3 m are operated with 230 V electric drives, available with four different power capacities. The motors and the drapery stack can be placed either at the upper or at the lower end of the rail. The fabric is attached to the top of the curtain with sewn-on loops, fixed on wires with corresponding runners. Lateral guiding wires are placed at a maximum distance of around 1.000 mm.

The distance of the loop strings is about 500 mm when blind is closed. Consequently, the loop height is about 250 mm. The blind may run with a one-parted or a two-parted fabric.



**Rope guided skylight  
System 5072**



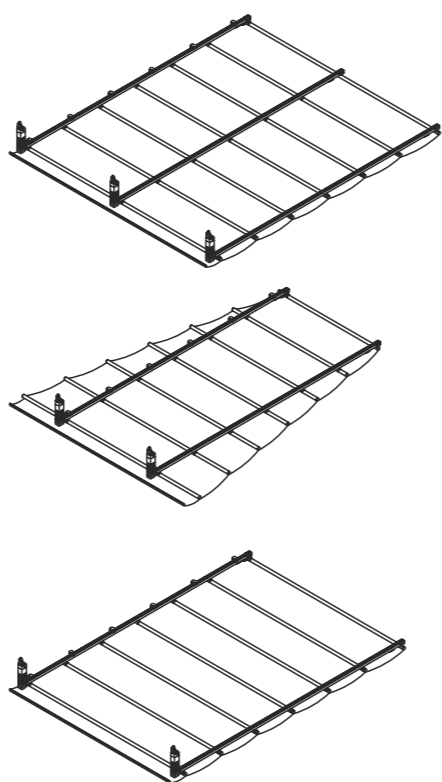
This system does not need lateral transport rails. The drapery is suspended with runners on two or four carrying ropes with a distance of approx. 500 mm and can be finished in one or two parts. A driving shaft with tubular motor on one side moves the transport ropes. Support rods, inserted into the loops, care for an even folding.

Rectangular or trapezoidal blinds up to a maximum width difference of 1.500 mm can be realized. In case of trapezoidal shapes the drive unit is always placed on the wider side. And trapezoidal blinds are always supplied with one-part drapery. To move blinds from 800 mm to 4.500 mm width and blinds up to a maximum length of 10.000 mm with one-parted drapery and of 15.000 mm with two-parted drapery only one drive unit is needed.

Driving shaft and transport rope elements are being screwed onto the solid base on site. Drapery is being fixed with a hook-and-loop strip at a wall slat and covers the drive unit.

High-grade materials and the absence of lateral rails make the blind fit especially with modern facades. All metall parts are of rust-resitant special steel or anodized aluminum.

**Plafond large area shading  
System 5077**



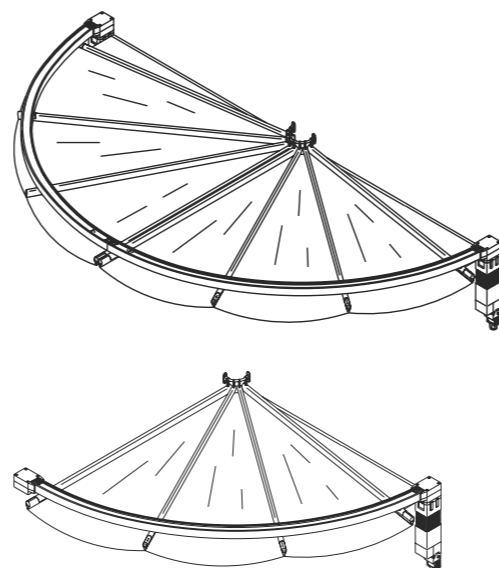
The fabrics move by means of endless toothed drive belt in straight one-track aluminum rails. Both guide rails are equipped with one motor each at the rail end, facing upwards, working as a tandem drive. The motors are running with synchronous operation.

A cover profile at the stack side supports and covers the motors and secures the fabric.

Rectangular systems, as well as trapezoidal systems on request, up to a maximum length of 14 m or a maximum width of 4,5 m, are operated with 230 V electric drives, available in three different power levels as tandem drive or double tandem drive, also in a high speed version with a velocity of 190 mm/s.

Larger system sizes up to 6000 mm can be realized with a central support rail, depending on mounting site situation. Anodized circular aluminum tubes with a 29 mm diameter serve as drapery support bars guarantee a very regular looping. The distance of the bars is about 600 mm when blind is closed. Consequently, the loop height is about 300 mm. The draperies are sewn in one part or in two parts with a light and cloudy appearance. Two-parted draperies are centered without overlapping.

**Round roof shading  
System 5080**

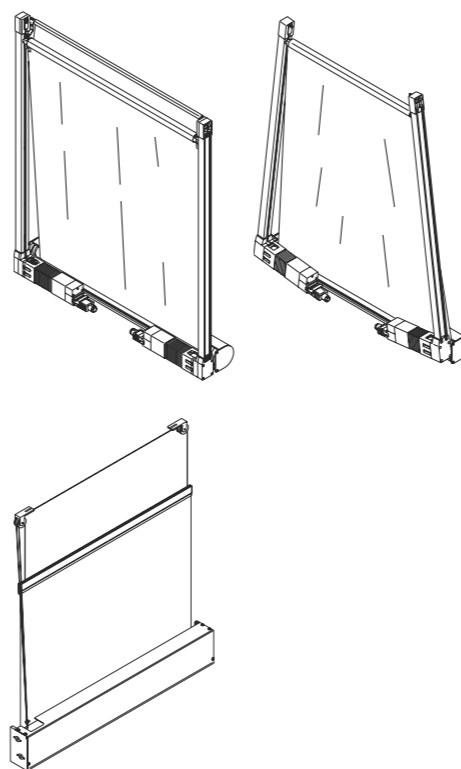


The fabric traverses in a curved aluminum transport rail via a revolving toothed belt. The maximum diametre is 6.000 mm. Full circular blinds always consist of two semi-circular transport rails. The 230V-electric motor is fixed at the end of the transport rail horizontally downwards or upwards. Large blinds are equipped with tandem motors, i.e. one synchronous motor at each end. Operation of smaller semi-circular blinds up to a radius of 2.000 mm is also manually with endless ball chain possible.

The fabric is sewn fan-shaped with loops upside for the carrying rod. The carrying rods are suspended in the runners of the rail as well as centrally in a 100 mm Ø ring.

Quarter-circular blinds are always produced with one-part drapery, semi-circular ones always with two-part drapery. Various circular arc angles can be supplied on request. If necessary. The carrying rods overlap outwards and cover the rail when the blind is closed. The drapery edges have hook-and-loop tapes and can be fixed on the wall. If the round shading blind consists of two semi-circular rails, the edges can be connected.

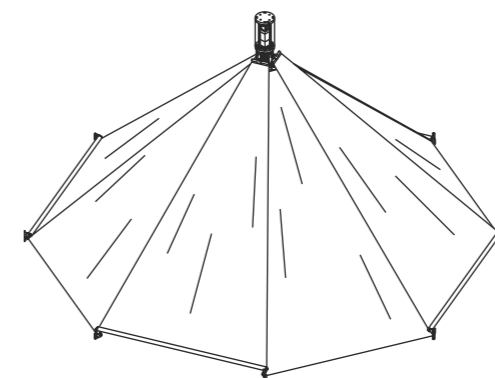
**Counter pull roller blind  
System 5090 and 8900**



System 5090: The lateral aluminum guiding rails move the fabric by means of endless toothed conveyor belts, driven by 230 V/50 Hz synchronous motors. The traction tube is connected with the drive runners of the rails via a solid plastic tube adapter which is freely movable in the tube. The roller blind spring shaft with its position in an 80 mm diameter round headbox is mounted separately below the motors. The total size to be considered for mounting is 138 mm. The roller blind fabric is tensioned by the spring shaft. The maximum size is limited to 4.500mm in length and 1.800mm in width. The light gap between fabric and rail is 15mm. Apart from rectangular shapes, trapezoidal facade elements with a difference in blind width of up to 300 mm can also be equipped.

System 8900: The counter pull roller blind 8900 consists of two lateral solid aluminum mounting supports with two shafts between them, which are mounted in sleeve bearings. The roller blind spring shaft at the top cares ensures the necessary drapery tension for this system, the drive shaft beneath with a tubular motor 230V/50Hz winds the rope constantly via winding cone up and down and so moves the roller blind drapery. The ropes are being guided on the top via aluminum bearing bracket with needle-bearing guiding rollers.

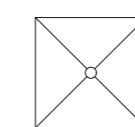
**Pyramid shading  
System 9000**



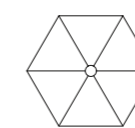
Several triangle shaped drapery segments placed within a polygonal base area are moved simultaneously by means of a wind gear drive mounted at the center of the system.

The roller blind draperies are wound up on spring shafts with different diametres – depending on model and size of the blind. The tension of the springs keeps the drapery segments straight.

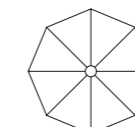
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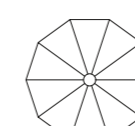
Rectangular pyramid shading system, edge length max. 3.000 mm.



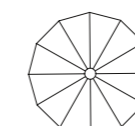
Hexagonal pyramid shading system, glass roof diametre of up to 4.000mm.



Octagonal pyramid shading system, glass roof diametre up to 5.200mm.



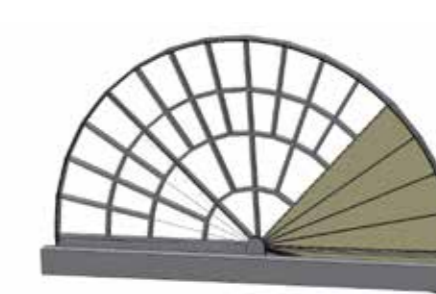
Decagonal pyramid shading system, glass roof diametre of up to 6.000mm.



Dodecagonal pyramid shading system, glass roof diametre of up to 6.000mm.



**Lateral round shading  
System Colorado**

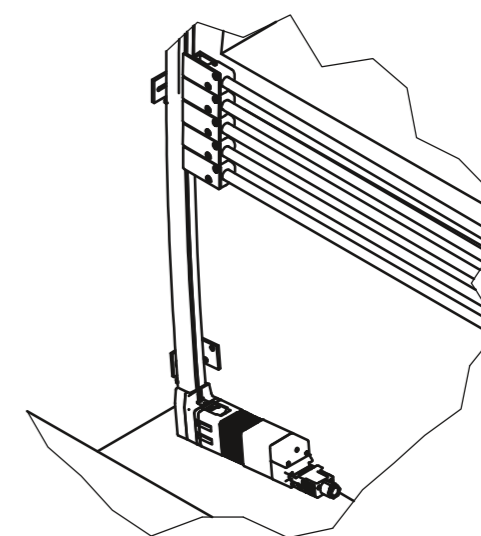


The fabric traverses in a curved aluminum transport rail via a revolving toothed belt. Circular segments can vary from 45° to 180°.

Diametres of up to 6.000 mm possible depending on the rail configuration and fabric weight.

Different motor capacities available, depending on system size and fabric weight.

The fabric is sewn fan-shaped with loops for the carrying rods. The carrying rods are suspended in the runners of the rail as well as centrally.



**Skylight shading  
Skyglide**



The fabrics are moved by means of endless toothed drive belt in straight one-track aluminum rails. Both guide rails are equipped with one motor each at the rail end, facing upwards, working as a tandem drive. The motors are running in synchronous operation.

Fabris are attached on a cross bar hanging below the rail. Typical cross bar distance is 500mm. Fabrics can be pulled straight or wave shaped in the closed position. Very rigid cross bar design allows widths of up to 4000mm without center support.

Slight curve or slope position of up to 30 degrees are possible. Motors can be facing upwards or downwards or sideways depending on the rail configuration.

