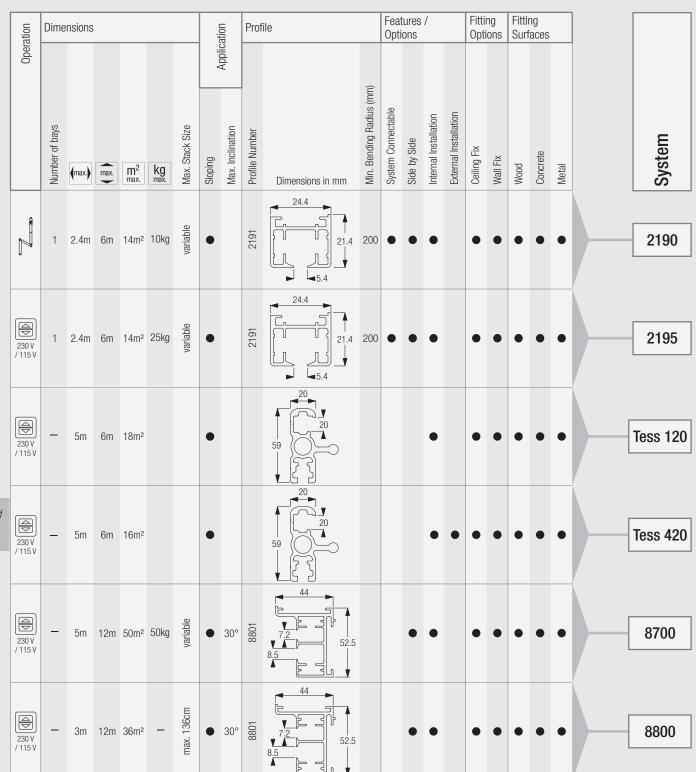
Skylight Shading Systems







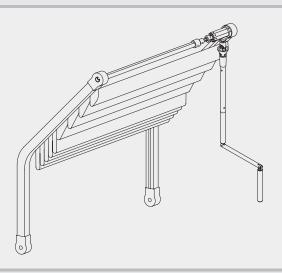
Application Chart



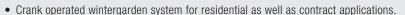


Hand Operated Wintergarden System

Silent Gliss® 2190



Product Information



- Horizontal, sloping (max. 45°), bent (min. radius 20 cm) and arched applications possible.
- Blinds can be linked and operated from a single crank.
- Pleasing roman effect with Silent Gliss technical or decorative fabrics. Large and attractive fabric offer.
- Side guide rails can be custom bent to a min. radius of 20 cm.
- The maximum dimensions depend on fabric weight, number of connected systems and applications. Please refer to the specific load chart.
- The maximum dimensions of a horizontal application are 6 m height and 2.4 m width (one system), resp. 3 m width (double system).
- The max, weight of the fabric including the cross bars should never exceed 10 kg. Large and attractive fabric offer.
- Left or right hand operation possible. The crank may be detached for security.
- Multitude of fitting alternatives on all kind of surfaces.
- Standard profile colours: anodised aluminium or white powder coated.
- Custom colours on application.

2190

Profile, Bending and Specification Information

Side Guide Profile



2191

Specification Information

Silent Gliss 2190 crank operated Wintergarden system ready assembled complete with drive shaft, crank handle, 2191 side guide channels and side fixed with 3825 clamps at 30cm centres.off.......wide xdrop (girth) guide channels, side channels each benttimes with cross rods atcm intervals.

How to measure



A: Total system width

System Dimensions









horizontal)

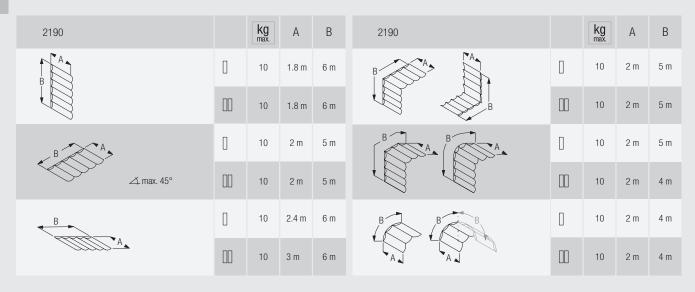
2190

6 m (horizontal)

10 kg

18 sqm

Max. Size and Weight Chart



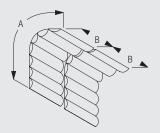
Driving belt: For all systems driving belt 5125 will be applied.

Sloped versions: max. inclination 45°

The system dimensions depend on the total fabric weight (including cross bars), the number of connected systems and the application. For ensuring comfort in operating the crank control it is important to respect the maximum dimensions indicated. Please check load chart.

System Options

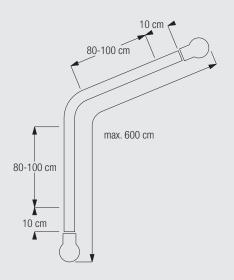
Connected Systems



Maximum two systems 2190 can be connected to one system with one crank operation. The maximum system sizes are indicated in the chart under chapter system dimensions. Please note that the two sections can be assymetrical but one section can never exceed a total width of $2.4\ m.$

Fitting Information

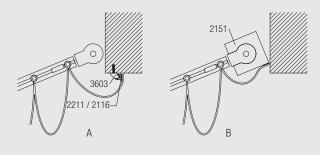
Bracket Positioning



Please fix the last bracket as close as possible (max. $10\ \text{cm}$) to the guide return.



Fixing of fabric end



- A: Fixing of fabric with profiles 2211 or 2116
- B: Fixing of fabric directly on optional headrail cassette

Fitting Options

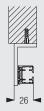
Inside recess fitting with clamp 3825

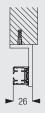


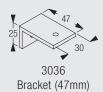


3825 Clamp

On frame fitting of single system with clamp 3825 and bracket 3036



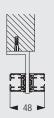


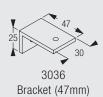




On frame fitting of double system with clamp 3825 and bracket 3036



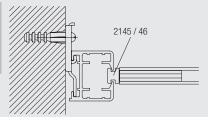






Inside recess fitting with bracket 3832







Standard Accessories



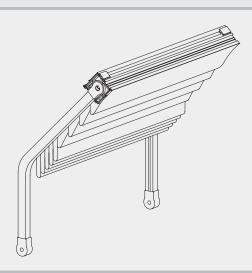
2242	Connector for axle		2613	Connector (38mm)	
2747	Crank		2759	Profile	
3036	Bracket (47mm)		3825	Clamp	
5005	Master carrier		5115	Connecting bridge	
5125	Driving belt	[22202202]	6086	Spring stop	Q o
Optiona	I Accessories				
2116	Profile		2211	Profile	
3603	Bracket (30mm)		3832	Bracket (36mm)	
Useful N	Measurements				
2111	Axle	6	2144	Profile	
2192	Drive	36 30.5	2193	Belt return	51 36 23.5
2230	Drive	51 30.5	5115	Connecting bridge	120



2190

Motorised Wintergarden System

Silent Gliss® 2195



Product Information

- Electrically operated wintergarden system for residential as well as contract applications.
- Horizontal, sloping (max. 45°), bent (min. radius 20 cm), and arched applications possible.
- Blinds can be single, double or triple operated with one motor.
- Pleasing roman effect with Silent Gliss technical or decorative fabrics. Large and attractive fabric offer.
- The maximum dimensions depend on fabric weight, number of connected systems and applications. Please refer to the specific load chart.
- The maximum dimensions of a horizontal application are 6 m height and 2.4 m width (one system), resp. 6 m width (triple system).
- The max, weight of the fabric including the cross bars should never exceed 10 kg. Large and attractive fabric offer.
- Multitude of fitting alternatives on all kind of surfaces.
- Standard profile colours: anodised aluminium or white powder coated.
- Custom paint colours on application.
- All hardware, including motor is concealed in headbox and hidden behind the fabric.
- The system 2195 is equipped with the Silent Gliss motor 2160, a precision-engineered Swiss motor: 230V/50Hz.
- Can be operated by fixed switch or remote control.

2195

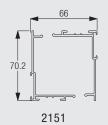
Profile, Bending and Specification Information

Side Guide Profile

24.4 21.4 2191



Optional profile 2151 for headrail cover





Specification Information

How to measure



A: Total system width

System Dimensions









6 m

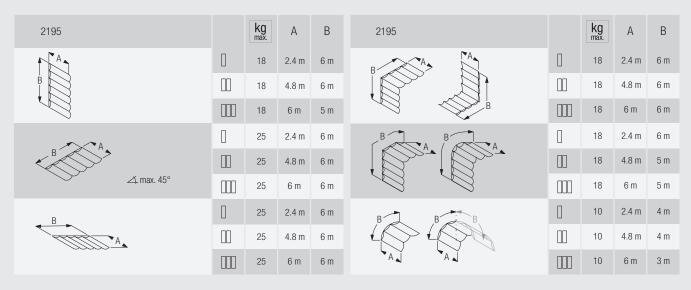


25kg



36 sqm

Max. Size and Weight Chart

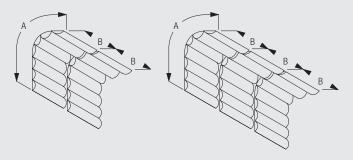


Sloped versions: max. inclination 45°

The system dimensions depend on the total fabric weight (including cross bars), the number of connected systems and the application. Please check load chart.

System Options

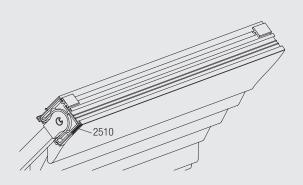
Connected Systems



Maximum three systems 2195 can be connected to one system with one motor. The maximum system sizes are indicated in the chart under chapter system dimensions.

Please note that the sections can be asymmetrical but a section can never exceed a total width of $2.4\ m.$

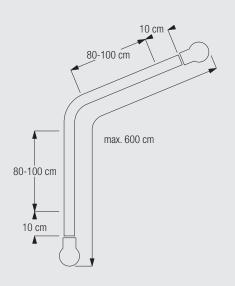
Headrail cassette option with Profile 2151



Use of profiles 2151 for covering the system technique. The fabric is attached to the velcro on the inserted profile 2510.

Fitting Information

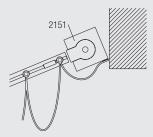
Bracket Positioning



Please fix the last bracket as close as possible (max. $10\ \mathrm{cm}$) to the guide return.

2195

Fixing of fabric end



Fixing of fabric directly on optional headrail cassette

Fitting Options

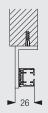
Inside recess fitting with clamp 3825







On frame fitting of single system with clamp 3825 and bracket 3036





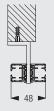




2195

On frame fitting of double system with clamp 3825 and bracket 3036

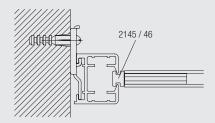








Inside recess fitting with bracket 3832





Standard Accessories

2111

Axle



2144 Profile



2145	Glider		2151	Profile	
2153	Pulley		2156	Profile	
2160	Motor	of the second	2191	Profile	
2193	Belt return	6	2230	Drive	
2242	Connector for axle		2510	Profile	
2613	Connector (38mm)		2759	Profile	
3036	Bracket (47mm)		3825	Clamp	
5005	Master carrier		5115	Connecting bridge	
5125	Driving belt	[000000000]			

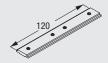
Optional Accessories

2211	Profile	2245	Connector for Elero-Motor	
3603	Bracket (30mm)	3832	Bracket (36mm)	

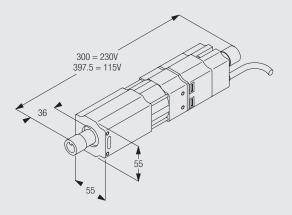
Useful Measurements

2111	Axle	6	2144	Profile	
2156	Profile	14.4	2193	Belt return	51 36 23.5
2230	Drive	36 30.5	2759	Profile	13

5115 Connecting bridge



Motorisation - Motor Silent Gliss 2160



Supplier: Silent GlissTorque: 3 NmVoltage: 230 V

Frequency: 50 HzPower: 190 WCurrent: 1.05 ASpeed: 115 rpm

• Thermal overload protection

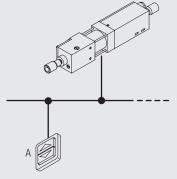
CEE StandardMechanical end stopWeight: 2 kg

The Silent Gliss 2160 motor is an interference-free motor, designed to offer top performance in regard to strength and reliability. The entire motor is integrated in the profile.

Operating Methods

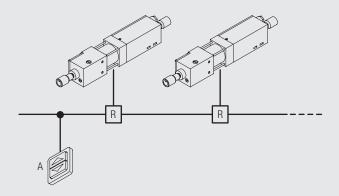
Fixed Wall switch





A: 230v Wall switch

Multiple motors from a single switch



A: 230v wall switch R: Relay

Wiring and Connections

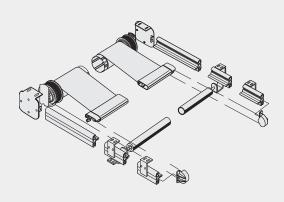
Important: the 2160 motor cannot be parallel wired, for complete wiring diagrams and specifications please contact our Sales Office.



2195

Fabric Tension System

Silent Gliss® 0120 Tess



Product Information

- Heavy duty motorised fabric tension system for domestic or contract use
- Self supporting, no tension load transferred to building
- Motor hidden in roller, pulleys concealed within the hem bar. Neat and compact.
- Quiet operation precision bearings, nylon coated draw cable and low noise motor.
- For applications up to 5 m in width and 6 m in length.
- Components are powder coated to specification.
- For horizontal, vertical or sloped installations.
- For all interior installations.
- Fixed switch or remote control.

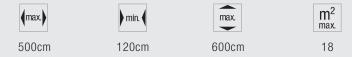
0120

0120

Specification Information

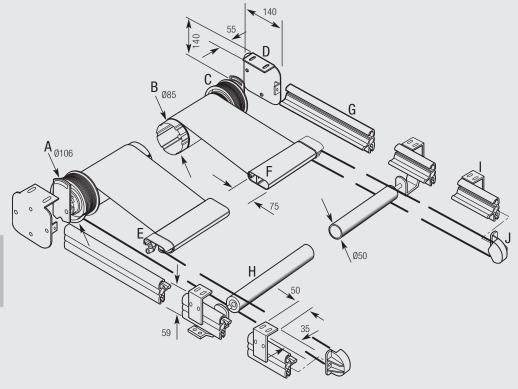
Specification Guide

Maximum Dimensions



Note: Relieving roller required for all blinds over a 3 metre draw

Component Dimensions and Assembly

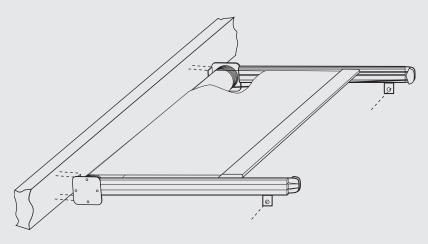


- A Motor with cable spool
- B Fabric roller tube
- C Spring assembly
- D Top fix mounting bracket
- E Hem bar end cap
- F Hem bar
- G Side guide
- H Relieving roller
- I Side guide bracket
- J Return pulley

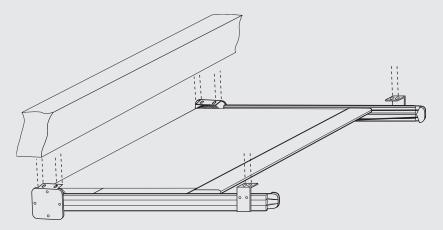


Fitting Information

Back fix installation with additional side fix brackets



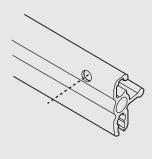
Top fix installation

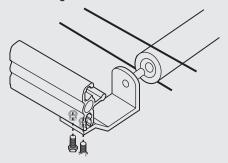


Fitting Options

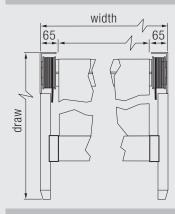
Side fixing

Relieving roller installation





Fabric Width



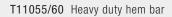
Note: Fabric width is 130mm less than the reveal width (65mm each side). The gap between fabric and side guides is approximately 30mm



Standard Accessories

ST85G/7	85mm Top Tube	T10779/1W End Cap Assembly	
T10814	Motor Assembly	T11239/60 Hem Bar	
T11260W	Mounting Bracket	T11558/65 Side Guide Profile	

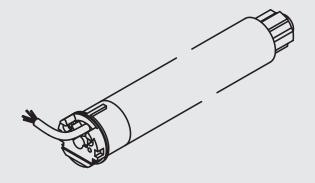
Optional Accessories





For all installations over a 4m width

Motorisation - Roller Blind Motors



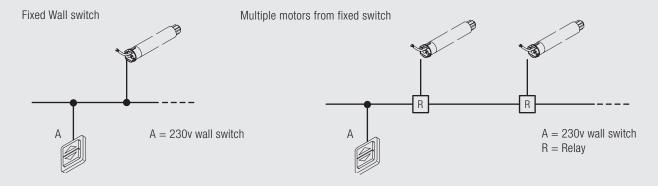
Torque: 15Nm Voltage: 230v Power:140W Current: 0.60A Speed: 17rpm Thermal overload protection

CEE Standard Electronic end stop

Important: This motor cannot be wired in parallel.

For further information and wiring diagrams please contact our sales office.

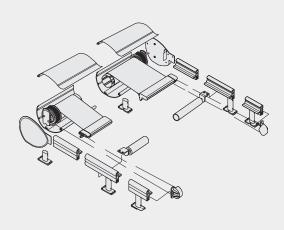
Operating Methods





Fabric Tension System

Silent Gliss® 0420 Tess



Product Information

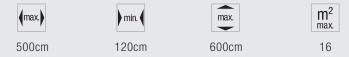
- Heavy duty motorised fabric tension system for domestic or contract use
- Self supporting, no tension load transferred to building
- Motor hidden in roller, pulleys concealed within the hem bar. Neat and compact.
- Quiet operation precision bearings, nylon coated draw cable and low noise motor.
- For applications up to 5 m in width and 6 m in length.
- Components are powder coated to specification.
- For horizontal, vertical or sloped installations.
- For all interior and exterior installations.
- Fixed switch or remote control.

0420

Specification Information

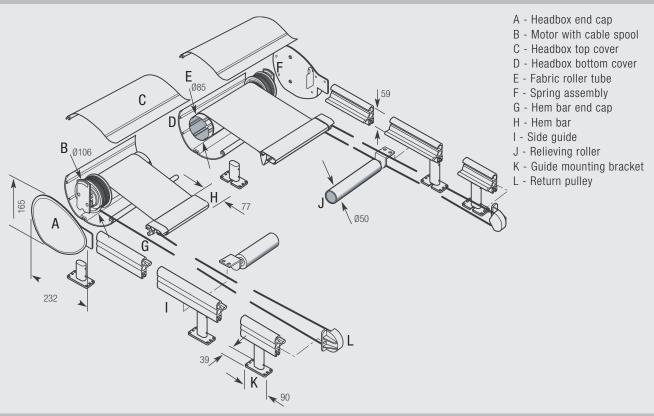
Specification Guide

Maximum Dimensions

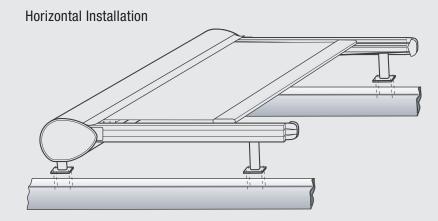


Note: Relieving roller required for all blinds over a 3 metre draw

Component Dimensions and Assembly

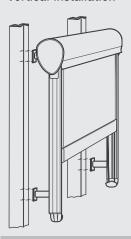


Fitting Information



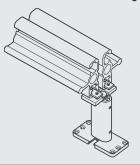


Vertical installation

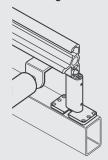


Fitting Options

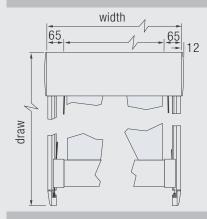
Back-to-back mounting



Relieving roller installation



Fabric Width



Note: Fabric width is 154mm less than the reveal width (65mm \pm 12mm each side). The gap between fabric and side guides is approximately 40mm



Standard Accessories

ST85G/7 85mm Top Tube	T10779/1W End Cap Assembly	
T10814 Motor Assembly	T11239/60 Hem Bar	
T11543/64 Top Cover	T11544/64 Bottom Cover	
T11560W Guide Mounting Bracket	T11558/65 Side Guide Profile	
T20589/1W Headbox End Cover		

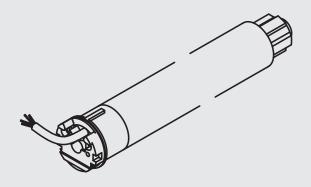
Optional Accessories

T11055/60 Heavy duty hem bar



For all installations over a 4m width

Motorisation - Roller Blind Motors



Torque: 15Nm Voltage: 230v Power:140W Current: 0.60A Speed: 17rpm

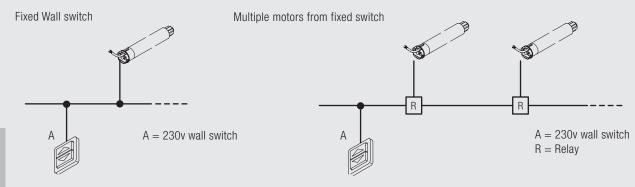
Thermal overload protection

CEE Standard Electronic end stop

Important: This motor cannot be wired in parallel.

For further information and wiring diagrams please contact our sales office.

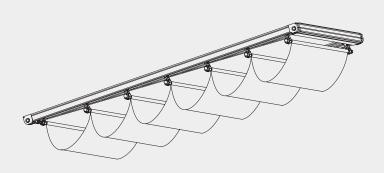
Operating Methods





Motorised Skylight Shading System

Silent Gliss® 8700



Product Information

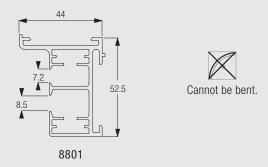


25

- Strong technique based skylight shading system.
- Due to side by side installations and cantilever options, the largest glass roofs can be shaded. (Max. surface 50sqm)
- For horizontal and sloping applications (max. 30°)
- Pleasing and uniform roman blind effect with Silent Gliss technical fabrics.
- Electrically operated system
- Fabric supporting parts are built in flame retardant and uv-resistant material

Profile and Specification Information

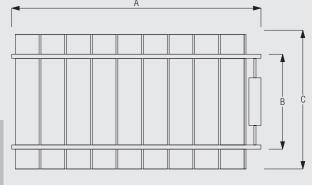
Main Carrier Profile

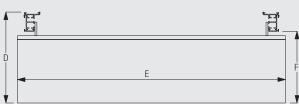


Specification Information

Measure and Planning Help

How to measure

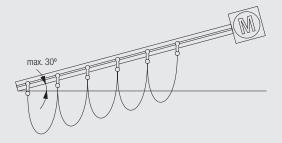




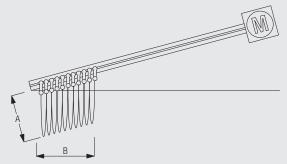
- A: System length
- B: Distance between profiles (max. 3m)
- C: System width
- D: System height
- E: Fabric width
- F: Fabric height

8700

Inclination and stack sizes



8700 can be installed on all glass roofs that are not steeper than 30°.



Stack width (B) of 8700 depends on system length. Stack height (A) is variable and depends on the confectioning of the fabric.

System Dimensions









5m

50sqm

50kg

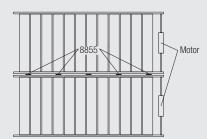
Application shapes



Due to cantilever option different application shapes are possible.

System Options

Multiple Systems

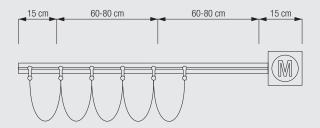


With intermediate bracket 8855 side-by-side fixing of several systems is possible. This allows shading of unlimited glass surfaces.

However each system requires an individual motor.

Fitting Basic Information

Bracket Positioning



Brackets are necessary on the positions shown.

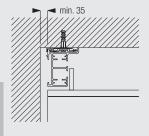
Additional clamp fixing (wall mounting)



Clamp 3044 requires additional fixing by a small screw in order to achieve highest security level.

Fitting Options

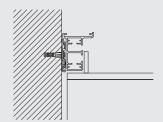
Ceiling fitting with clamp 3044



8700

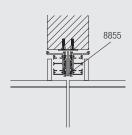


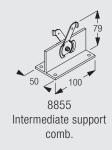
Wall fitting with clamp 3044





Ceiling side-by-side fitting with intermediate support combination 8855 and clamp 3044 (multiple systems)





Standard Accessories (Parts)

1003	Profile		2151	Profile	
2152	Bearing shell		2155	Underlay	
2156	Profile		2242	Connector for axle	
2510	Profile		2962	Connecting bridge	
3014	Endcover (22.4mm)		3044	Clamp	
3070	Eye endstop		5302	Chain	
8801	Profile		8815	Guide	
8821	Holder		8822	Clamping piece	
8823	Pilot		8824	Glider	
8825	Holder		8826	Expansion compensator comb.	
8828	Belt		8831	Holder	
8832	Clamping piece		8833	Groove stone	000
8838	Roller combination		8847	Gear drive right comb.	
8848	Gear drive left comb.		8849	Gear return right comb.	
8851	Gear return left comb.		8853	Stabilizer	

Optional Accessories (Parts)

8855	Intermediate support comb.	8856	Overlap carrier	
8857	Fastener	8859	Fastener comb.	



Useful Measurements

8855

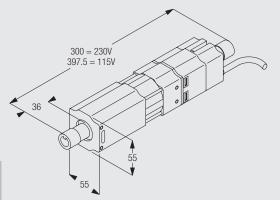
Intermediate support comb.



Motorisation

The system 8700 can be equipped with different motor versions, depending on the size of the system and the necessary strengths required.

Motor Silent Gliss 2160



• Supplier: Silent Gliss

• Torque: 6 / 10 NmVoltage: 230 V

• Frequency: 50 Hz

• Power: 120 W Current: 0.53 A

• Speed: 26 rpm

• Thermal overload protection

• VDE / CE Standard

· Mechanical end stop

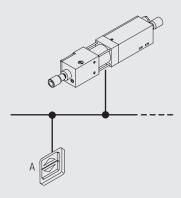
• Weight: 2 kg



The Silent Gliss 2160 motor is an interference-free motor, designed to offer top performance in regard to strength and reliability. The entire motor is integrated in the profile.

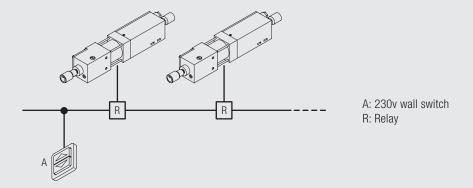
Operating Methods

Fixed Wall switch



A: Wall switch

Multiple motors from a single wall switch



Wiring and Connections

The 2160 motor cannot be parallel wired, for complete wiring diagrams and specifications please contact our Sales Office

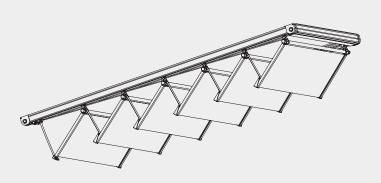


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Motorized Skylight Shading System

Silent Gliss® 8800



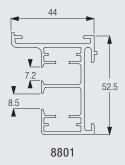
Product Information



- Unique and totally new panel based glass roof shading system
- Panel tilting and retracting technique.
- For horizontal and sloping (max. 30°) applications
- Vertical tilting of panels avoid soiling and heat jams
- Specially defined fabrics available.
- Positive impact on the accoustic of large glass halls. (even on unglazed roofs)
- Panel supporting parts are built in flame retardant and uv-resistant material

Profile and Specification Information

Main Carrier Profile

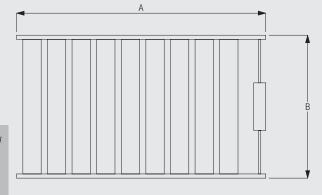




Specification Information

Measure and Planning Help

How to measure





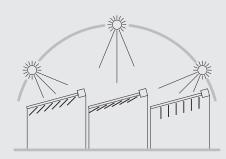
- A: System length
- B: System width
- C: Panel width

System height is always 520mm.

The 8800 Skylight Panel system is always in square shape.

Planning guidelines

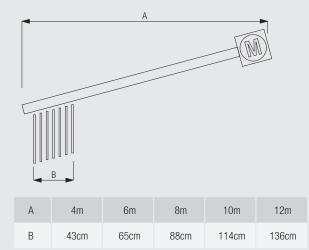
8800

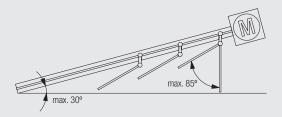


Orientation of the System

In order to optimize glare and light control, special attention has to be given to the position of the system to the sun throughout the day.

It is important to consider that the panels always tilt towards the stack.





Motor Positioning

At systems with inclination, the motor is always positioned on top of the system.

Stack Sizes

Stack sizes are variable: As longer the system (A), as longer its stack (B) $\,$

Inclination and tilting

The maximum inclination of a system is 30° . The maximum tilting of the panel from its vertical position is 85° .

System and Panel Dimensions



Maximum System Measures

Inclination	0°	15°	30°
Width	3m	3m	3m
Length	12m	10m	7m
height	0.52m	0.52m	0.52m

The maximum dimensions of the system and panels depend from the degree of inclination. (The maximum inclination of the system is 30° .)

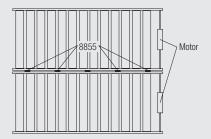
Panel Measures (Fabric)

The height of the fabric panels is always 36cm.



System Options

Multiple Systems

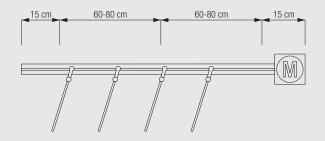


With intermediate bracket 8855 side-by-side fixing of several systems is possible. This allows shading of unlimited glass surfaces.

However each system requires an own motor.

Fitting Basic Information

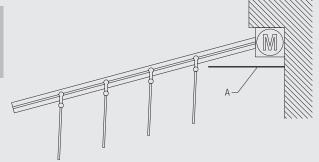
Bracket Positioning



Brackets are necessary on the positions shown.

Fitting of Motor and covering of Motor Gap





If required the gap on the frontside of the system can be reduced with a locally organized faceplate (A).

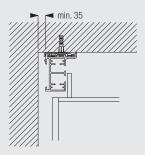
Additional clamp fixation (wall mounting)



Important: Clamp 3044 needs to be extra fixed by a small screw (A) in order to achieve highest security level.

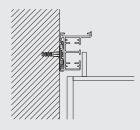
Fitting Options

Ceiling fitting with clamp 3044 (single system)



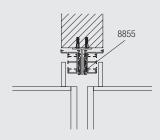


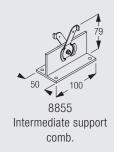
Wall fitting with clamp 3044





Ceiling side-by-side fitting with Intermediate support combination 8855 and clamp 3044 (multiple systems)







Standard Accessories

1003	Profile	2151	Profile	
2152	Bearing shell	2155	Underlay	
2156	Profile	2242	Connector for axle	
2962	Connecting bridge	3014	Endcover (22.4mm)	
3044	Clamp	4224	Plastic strip (12mm)	
5302	Chain	8801	Profile	





		8847	Gear drive right comb.	
8848	Gear drive left comb.	8849	Gear return right comb.	
8851	Gear return left comb.	8853	Stabilizer	
8855	Intermediate support comb.	8857	Fastener	
8859	Fastener comb.	8861	Distance plate	

Useful Measurements

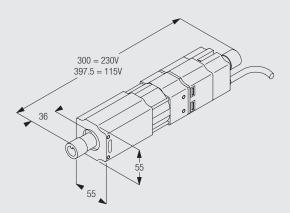
8855 Intermediate support comb.



Motorisation

The system 8800 can be equipped with different motor versions, depending on the size of the system and the necessary strengths required.

Motor Silent Gliss 2160



• Supplier: Silent Gliss

• Torque: 6 / 10 NmVoltage: 230 V

• Frequency: 50 Hz

• Power: 120 W Current: 0.53 A

• Speed: 26 rpm

• Thermal overload protection

VDE / CE Standard
Machanical and stor

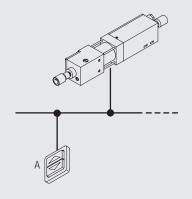
Mechanical end stop

• Weight: 2 kg

The Silent Gliss 2160 motor is an interference-free motor, designed to offer top performance in regard to strength and reliability. The entire motor is integrated in the profile.

Operating Methods

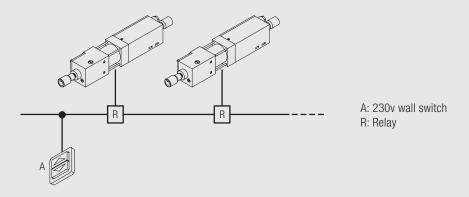
Fixed Wall switch



A: Wall switch



Multiple motors from a single wall switch



Wiring and Connections

The 2160 motor cannot be parallel wired, for complete wiring diagrams and specifications please contact our Sales Office.









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