

A modern interior space featuring large windows with white roller blinds. In the foreground, there is a white bar counter and several black leather bar stools with chrome bases. A vintage-style spotlight is mounted on the ceiling. The scene is brightly lit, with strong shadows cast across the floor and bar.

MultiTex[®]

Efficient
sun protection
with technical
textiles



MULTIFILM[®]
SUN AND GLARE PROTECTION

www.multifilm.de

MultiTex[®]
by MULTIFILM[®]



MultiTex®

by MULTIFILM®



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About MULTIFILM®



MULTIFILM® stands for **high-quality internal sun and glare protection**. Our internal roller blind systems have been improving living and working conditions for more than 25 years, ensuring a pleasant indoor climate, good lighting and viewing conditions.

Highly functional materials are used: **Transparent, reflective polyester films and technical textiles offer effective protection against the sun and glare** and, thanks to their transparency, maintain a clear view of the outside.

The investments in our solutions pay for themselves in the short term through the energy savings and satisfied employees. Functionally in design, our products are based on architectural trends and the latest facade technology.

MULTIFILM® systems can easily be retrofitted or integrated in the facade planning.

The product range includes **numerous roller blind variants, counter-pull systems, large-format Facade-Systems** as well as **Vertical and Panel blinds**.

Products & service

MULTIFILM® provides **consulting, measurement and installation** out of one hand.

- Made-to-measure products
- Project support
- Customised solutions
- Energy consulting

Quality

MULTIFILM® products are robust, reliable, durable, energy-saving and functional in design. Our high quality standards guarantee you an economically sustainable investment.

- Quality and environmental management according to ISO 9001:2015 and 14001:2015
- Compliance with the **VDU Ordinance** (BildscharbV)
- **Glare protection, heat protection and visual contact to the outside** according to DIN EN 14501 (performance requirements for sun protection systems)



European Association for
Glare Protection at VDU workstation e.V.



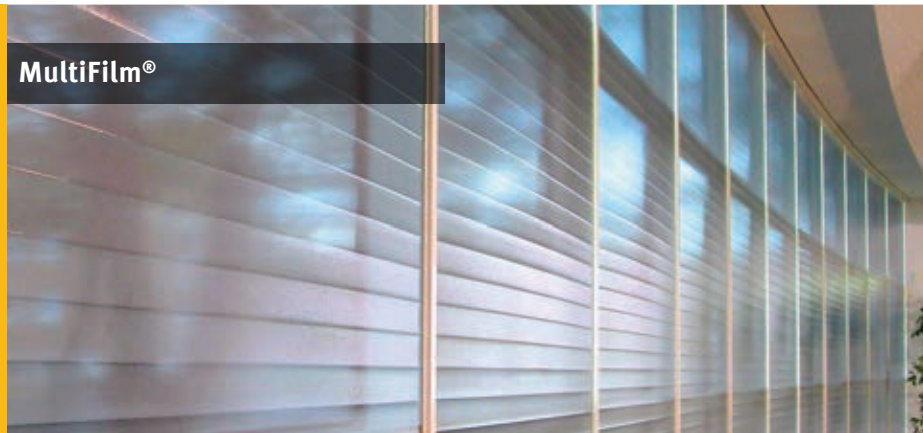
MultiTex®



Functional decorative textile roller blinds

- Aesthetic sun protection
- Integration in the room design
- Wide selection of functional textiles
- Opaque or partially transparent
- Pleasant indoor climate
- Antiglare
- Darkening
- Heat protection according to equipment and coating
- Oeko-Tex standard
- Fire protection class B1

MultiFilm®



Powerful film blinds

- Effective heat protection
- Pleasant indoor climate
- Room lighting with daylight
- Optimal glare protection
- Free view
- Saving cooling and heating energy
- High UV protection

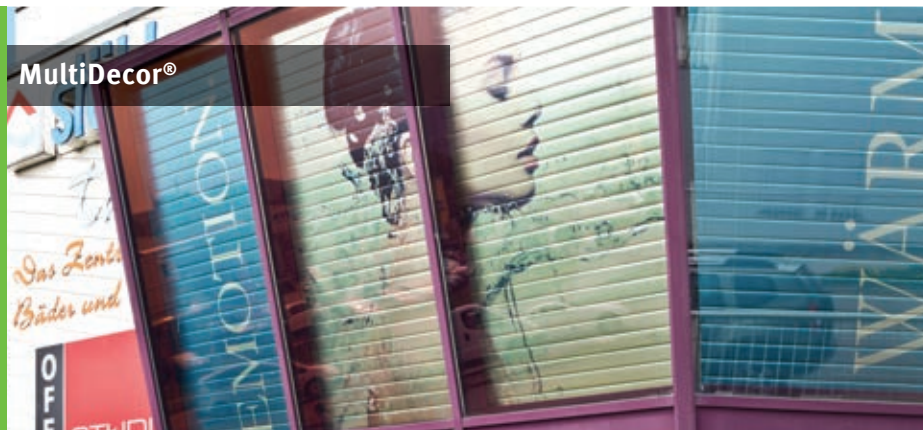
MultiSky



Sun protection in roof areas

- High reflection of solar energy
- Systems for horizontal and inclined areas
- Shading of atriums, window strips, conservatories
- Darkening of living- and bedrooms

MultiDecor®



Colourful designed sunprotection

- Colouring of the films by sublimation printing
- Highly lightfast and abrasion resistant
- High transparency and effective heat protection
- Advertising print on the outside
- Internal printing for room decoration

MultiFilm® – sun shading with effective films



Functional polyester films used in sun and glare protection have many advantages:

Very good heat protection

- The aluminum-coated outside reflects a large part of the solar energy, protects against rapid heating of the rooms and saves cooling energy.

Optimal glare protection

- The sunlight is dimmed to a comfortable level by the film like with a pair of sunglasses. Annoying reflections and high lighting differences are avoided.

Transparency

- According to the Workplace directive the view towards outside remain.
- The film roller blinds are similarly transparent like sunglasses.
- The incoming light will be dimmed pleasantly.
- The room is not completely darkened.

Sun protection blinds with film shades ensure a pleasant indoor climate and room lighting with daylight.

The films have a technical appearance due to their shiny surface.

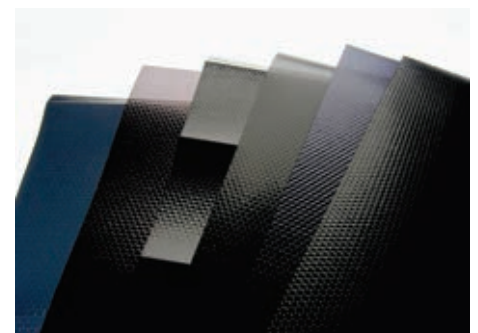
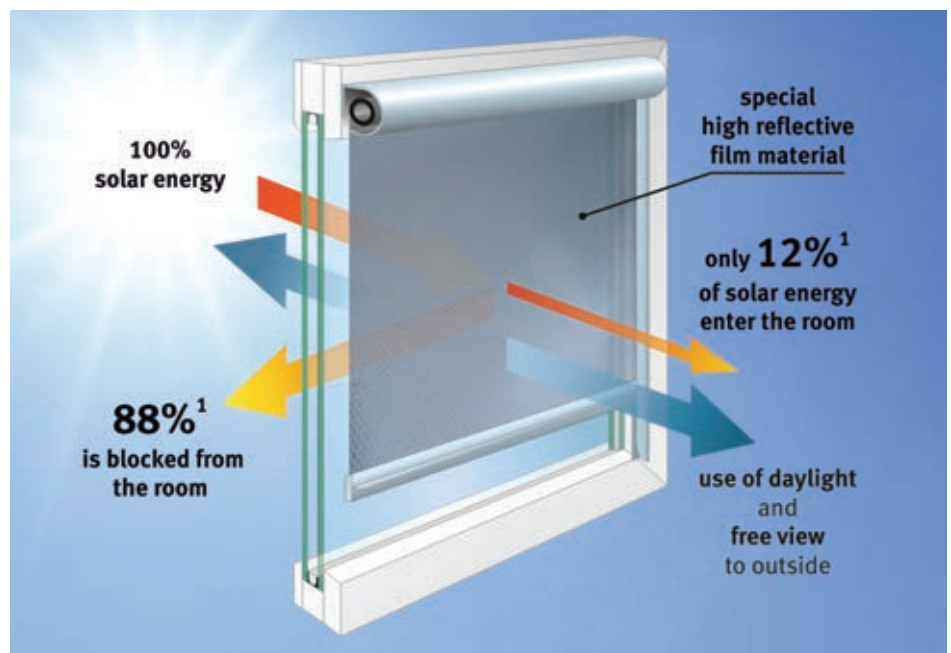
Optionally technical fabrics are available in the MultiTex® product group.

How film blinds work

The multilayer film has a thin aluminum layer that points outwards in the film roller blind.

- This layer acts like a mirror. It reflects the incident solar energy directly back outside before it can convert into heat in the room.
- In this way, up to 88 %¹ of the incoming solar energy will get rejected.
- The heating of the room is significantly reduced, the inside temperature remains pleasant.
- The film dims the daylight and reliably protects against annoying glare on the screen.
- The transparency of the film enables a clear, distortion-free view to the outside.

¹ Film SiAt012 and sun protection glazing Sunbelt Polaris 65/34 according to the report of the TU Berlin





Textiles score in design and aesthetics. They blend inconspicuously into the interior design and convey a pleasant feeling of space.

Technical curtain fabrics offer **functional heat protection by special coatings**.

Aluminum or nacre coatings can reflect more than 70 % of the sun's energy and thus effectively protect against summer heat.

The following qualities are available:

Screen fabrics

- Materials with an open structure (opening factor larger than 0)
- The higher the opening factor, the more transparent and lucent the material

Dimout fabrics

- Textiles with a closed surface (opening factor equal to 0)
- Diffuse light transmission and privacy protection

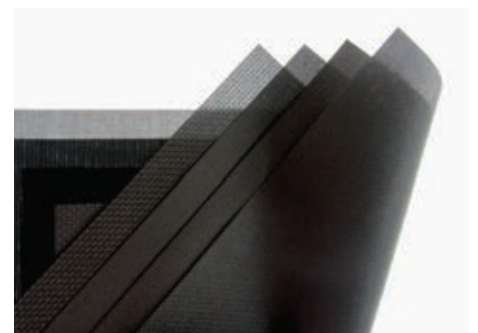
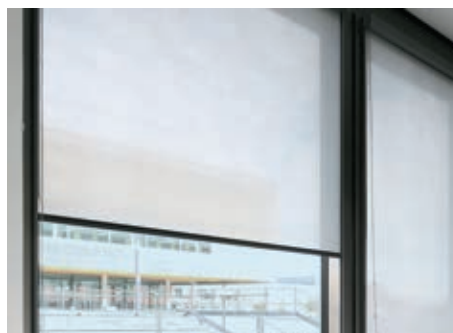
Blackout fabrics

- Materials for darkening
- Opening factor and light transmission equal to 0

For a good glare protection in work areas, a low light transmission of 1 to 5 % and a low opening factor are recommended in order to protect against too much light and disturbing reflections.

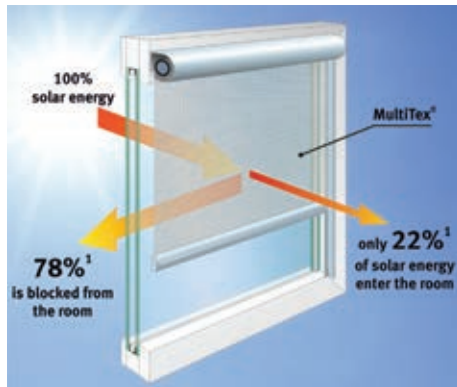
Sun protection made of functional textiles

- Fire protection class: B1 (hardly inflammable)
- High light fastness (mainly class 5 and 6)
- Different coatings, such as aluminum or nacre coatings
- Opaque to partially transparent fabrics (screen fabrics)
- Different light transmission and colors
- Tested for harmful substances according to Oeko-Tex Standard 100
- Partly absorbent and antibacterial



Energy saving with MultiTex® fabric blinds

Due to their functional coatings and high reflections, MultiTex® roller blinds improve the energetic properties of windows and facades. They protect against heat in summer and act as additional insulation on the window glass in winter. In this way MultiTex® blinds ensure a better indoor climate and demonstrably save energy in summer and winter.

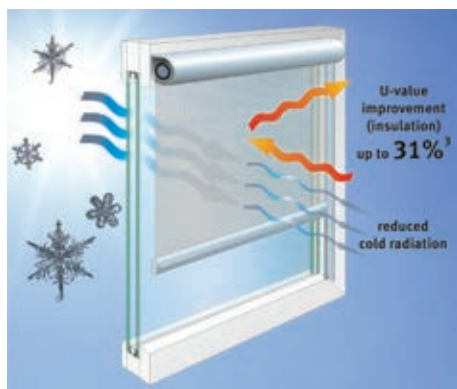


Saving cooling energy in summer

- Bright, especially aluminum-coated fabrics reflect the incoming solar energy back outside before it can be converted into heat in the room.
- Up to 78 %¹ of solar energy can be kept out of the room with a MultiTex® roller blind.
- The energy transmission of glazing can be improved by up to 41 %².
- This significantly reduces room heating.

¹ Double sun protection glass (g-value 0.35) with T09SiGy07*

² Double heat protection glass (g-value 0.53) with T09SiGy07*

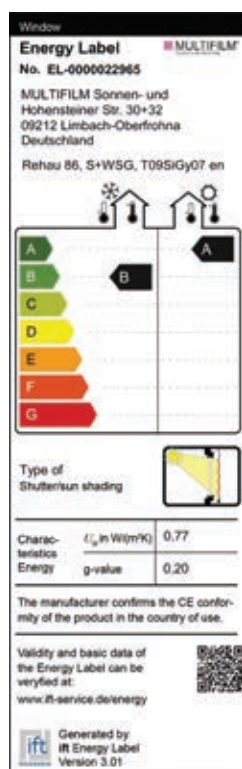


Saving heating energy in winter

- The fabric roller blind reduces heat loss through the window in winter.
- In roller blinds with side guides, an additional air cushion forms between the fabric and the window, which has an insulating effect.
- Fabrics with an aluminum coating also reflect the inside heat radiation back into the room.
- The insulation property (U-value) of the glass can be improved by up to 31 %³.
- The cold radiation and the room cooling are reduced. This ensures a pleasant room climate and saves heating energy.

³ Double heat protection glass (U value 1,1) with T09SiGy07*

Energy Label: Energy efficiency transparent and comparable

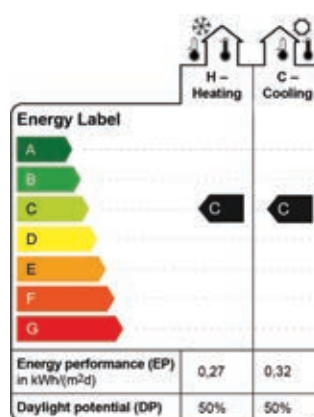


The **ift Rosenheim** (Institute for Window Technology) evaluates windows with sun protection systems with regard to their energy efficiency based on a clear energy label.

- Well-known traffic light representation in the energy efficiency classes
- Separate representation of summer heat protection and winter insulation
- Energy efficiency of the blinds by comparing windows with/without sun protection

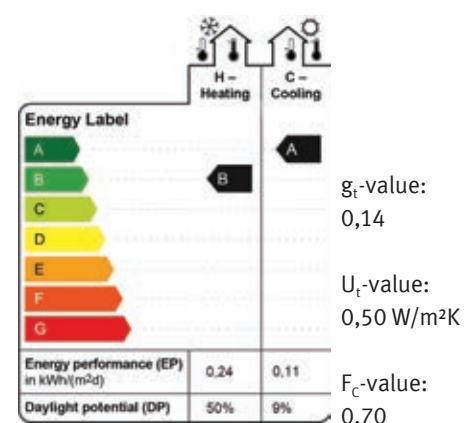
Values without sun protection

Triple sun and heat protection glass



Values with MultiTex® sun protection

Triple sun and heat protection glass with MultiTex® roller blind, fabric T09SiGy07



The Energy Label proves the high energy saving potential of MultiTex® fabric blinds and their positive effect on the energy balance of buildings.

Energy saving with MultiTex® fabric blinds

Effectivity of MultiTex® in combination with different glazings

By using MultiTex® fabric roller blinds, the total energy input (g-value) of the glazing can be reduced in summer and the insulation (U-value) improved in winter. Depending on the MultiTex® fabric and glass type used, the g-value improves by up to 41 % and the U-value by 31 %. This ensures more comfortable room temperatures and effectively saves cooling and heating energy.

Glazing	Glazing values		MultiTex®	Glazing in combination with MultiTex® roller blind				
	Energy transmission	Insulation value		Energy transmission	Improvement	Effectivity of sun protection	Insulation	Improvement
Type/ Structure	g-value	U-value	Fabric	g-value*	g-value	F _c -value*	U-value*	U-value
Double heat protection glass (6/16Ar/6)	0.53	1.10	T09SiGy07	0.31	41 %	0.59	0.76	31 %
			T01SiGy11	0.36	33 %	0.67	0.76	31 %
Double sun protection glass (6/16Kr/6)	0.35	1.15	T09SiGy07	0.22	39 %	0.61	0.81	30 %
			T01SiGy11	0.24	31 %	0.69	0.81	30 %
Triple sun and heat protection glass (6/12Kr/4/12Kr/6)	0.43	0.51	T09SiGy07	0.29	31 %	0.69	0.42	18 %
			T01SiGy11	0.32	24 %	0.76	0.42	18 %
Triple heat protection glass (4/16Ar/4/16Ar/4)	0.48	0.70	T09SiGy07	0.31	34 %	0.66	0.56	20 %
			T01SiGy11	0.35	28 %	0.73	0.56	20 %

* Calculation with Parasol software, V 6.6, University of Lund/Sweden

Saving of Cooling and heating energy

A calculation model* was used to determine how much cooling and heating energy is actually saved with MultiTex® fabric blinds.

Database

- Office space (19.4 m²) with 2 people and 2 PCs
- Window (5.4 m²), south facing and heat protection glass according DIN EN 14501-1, type C (g-value: 59 %; U-value: 1.2 W/m²K)
- Target temperature: between 20 and 26 °C
- Geographical location: Munich
- Observation period: 1 year

Procedure method

Determination of the annual energy requirement of an unshaded office room; comparison with that of a shaded room and comparison of four different sun protection systems

Result

With aluminum-coated MultiTex® blinds, 31 % cooling and heating energy can be saved compared to an unshaded window. The fabric roller blind thus offers an interesting alternative to the systems compared. The F_c-value of the fabric-glass combination considered is 0.54. This corresponds to energy efficiency class 2 („high“).¹

¹ According to energy efficiency classification, Association of Internal Sun Protection (ViS)

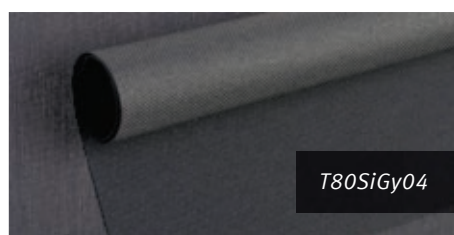
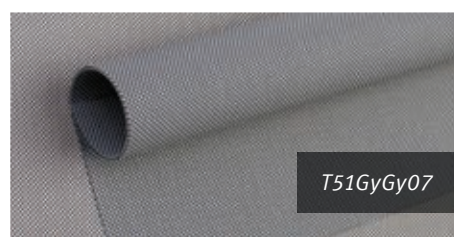
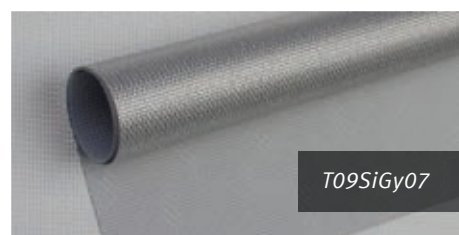
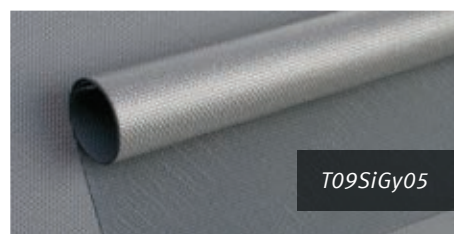
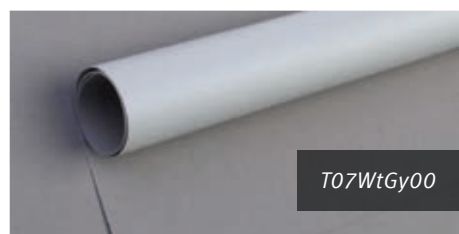
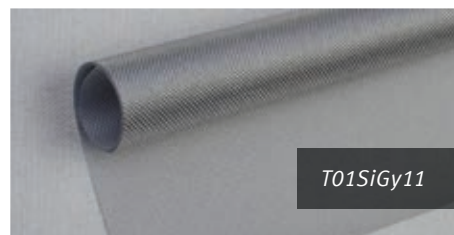
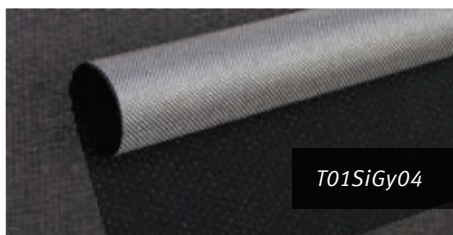
Sun protection system	MultiTex® roller blind	Roller blind	Horizontal blind	Outdoor shutters
Position	internal	internal	internal	external
Material	T09SiGy07 aluminum coated	fabric Verosafe 12.228/1	slats Turnils 17 alu blank	slats aluminium
Remarks	with side guides	without side guides	slats in cut-off position	slats in cut-off position
Total U-value	0.85	1.11	1.17	
Total g-value	0.32	0.41	0.51	
F _c -value	0.54	0.70	0.86	
Total cooling and heating energy requirements without sun protection in kWh	998	998	998	998
Total cooling and heating energy requirements with sun protection in kWh	683	775	845	670
Total cooling and heating energy savings with sun protection in %	31	23	15	33

MultiTex® – selection of fabrics

Selection of technical textiles

Standard range according to the adjoining list.

For larger projects additional fabrics can be offered.

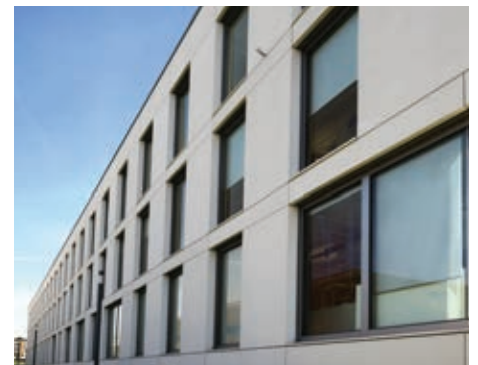
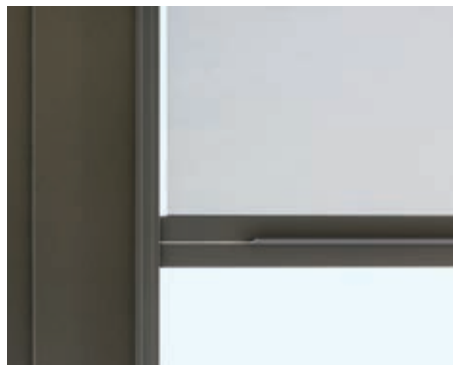


MultiTex® – selection of fabrics





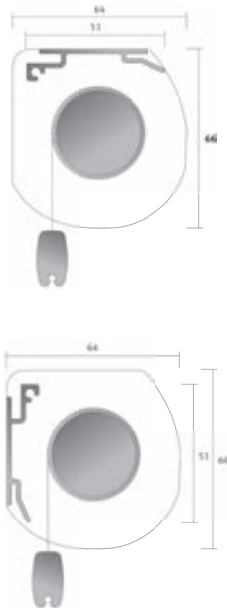

Fabric	Material	Thickness in mm	Coating	Specification	Light transmittance T _{VL}	Solar reflectance	Suitability regarding		
							Heat protection	Glare protection	View to the outside
T01SiGy04	Trevira CS	0.36	alu	screen	4 %	49 %	0	++	0
T01SiGy11	Trevira CS	0.36	alu	screen	11 %	50 %	+	-	0
T02SiGy08	Trevira CS	0.44	alu	screen	8 %	51 %	+	0	0
T03SiGy04	Trevira CS	0.43	alu	sound-absorbent	4 %	52 %	+	++	-
T03SiGy07	Trevira CS	0.43	alu	sound-absorbent	7 %	52 %	+	+	-
T07WtGy00	Polyester	0.38	Acrylat	blackout	0 %	69 %	+	++	-
T08SiGy08	Trevira CS	0.20	alu	dimout	8 %	50 %	+	0	-
T09SiGy05	Trevira CS	0.48	alu	screen	5 %	63 %	+	+	0
T09SiGy07	Trevira CS	0.48	alu	screen	7 %	66 %	+	+	0
T22SiGy03	Trevira CS	0.18	alu	screen	4 %	60 %	+	++	0
T22SiGy06	Trevira CS	0.18	alu	screen	7 %	66 %	+	+	0
T27WtWt20	Polyester	0.30	Acrylat	dimout	20 %	70 %	+	-	-
T41PmGy02	Polyester	0.40	nacre	dimout	2 %	77 %	++	++	-
T42WtWt00	Trevira CS	0.47	Polymer	blackout	0 %	69 %	+	++	-
T50SiGy12	Trevira CS	0.19	alu	screen	12 %	55 %	+	-	0
T51BkGy04	PVC/Polyester	0.60	-	screen	4 %	4 %	-	++	0
T51GyGy07	PVC/Polyester	0.60	-	screen	7 %	38 %	0	+	0
T70WtWt45	Trevira CS	0.35	-	dimout	45 %	50 %	+	-	0
T80SiBk03	Polyester	0.49	alu	screen	3 %	34 %	0	++	0
T80SiGy04	Polyester	0.49	alu	screen	4 %	39 %	0	++	0

++ well suited + suitable 0 conditionally suitable - not suitable

All fabrics have **fire protection class B1 (flame retardant)** and have been tested for harmful substances in accordance with the **Oeko-Tex Standard 100**. All technical details, in particular the thickness of the fabric, are non-binding guide values. They are subject to manufacturing tolerances and can fluctuate in each substance and production batch.



MultiTex® product overview

Product	Compact-Line	Classic-Line		Trend-Line	
Sectional Drawing					
					
Head box/ Design	Cover CO, COg	Cover C1	Cover C2	Cover R3	Carrier / Rail
Max. dimensions manual operation by chain					
Width in mm	1,500	1,500	2,200	2,500	2,500
Height in mm	2,000	2,500	3,400	3,400	3,400
Max. dimensions electrical operation					
Voltage	–	rechargeable battery motor / 24 V	rechargeable battery motor / 24 V	rechargeable battery motor / 24 V	rechargeable battery motor / 24 V
Width in mm	–	1,500	2,200	2,500	2,500
Height in mm	–	2,200	3,400	3,400	3,400
Lateral guidance					
Side guides without brush	yes	optional	optional	no	no
Side guides with brush	no	no	no	no	no
Rope guidance	no	optional	optional	optional	optional

MultiTex® product overview

Flexi-Line Medium		Flexi-Line Large	
			
Cover C4, R4	Carrier / Rail	Cover C5, R5	Carrier / Rail
2,800	2,800	4,000	4,000
4,000	4,000	5,000	5,000
rechargeable battery motor / 24V / 230V	rechargeable battery motor / 24V / 230V	230V	230V
2,800	2,800	4,000	4,000
4,000	4,000	5,000	5,000
no	no	no	no
optional	no	optional	no
optional	optional	optional	optional

Compact-Line

Properties / use

- Roller blind with an extra small head box
- Quick and easy installation

Head box / design

- Head box **C0g**, closed head box for mounting inside the frame
- **C0** head box, open head box for mounting on the frame



C0g



C0

Bottom rail

- **P**



P

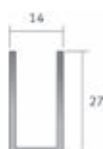
Side guides

Use according size of blind

- **U27** and **U38** cover the lateral edge of the fabric
- With **U12** light gap on both sides
- With **U15/25** no light gap, fabric can swing freely to the room side



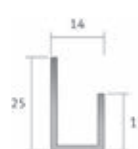
U12



U27



U38



U15/25

Compact-Line

Maximum sizes

- Max. width 1,500 mm
- Max. height 2,000 mm
- Depending on width, operation and fabric

Head box	CO
Element width up to	1,500
Thickness of fabric up to	Max. height manual operation
0.2 mm	2,000
0.3 mm	1,500
0.4 mm	1,100
0.5 mm	1,000
0.6 mm	800

Colours

Colours	white (ws)	grey (gr)	black (sw)	RAL
Profiles	x	x (anodized)	–	optional
End caps/ end plates	chrome	chrome	–	optional
Chain Metall chain optional	x	x	x	–

Mounting

- **Adhesive mounting** of the side guides on or inside the frame (without drilling)



Adhesive mounting

*All dimensions in mm
if not stated otherwise.*

Classic-Line

Properties / use

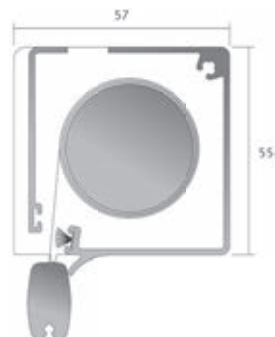
- Standard roller blind for mounting on the window frame
- Different mounting options
- Electrical and manual operation possible

Head box / design

- Head box **C1**
- Head box **C2**



C1



C2

Bottom rails

- **P** with side guides
- Without side guides:
T up to 1,500 mm width,
S up from 1,501 mm width



P



T



S

Side guides

Use according size of blind

- **U27, U38** and **U50** cover the lateral edge of the fabric
- With **U12** light gap on both sides
- With **U15/25** no light gap, fabric can swing freely to the room side



U12



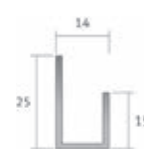
U27



U38



U50



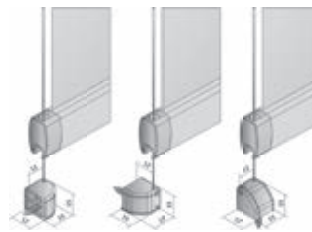
U15/25

Rope guidance

- Rope guidance Medium
- Screw mounting of the holder to the bottom, to the sides or to the rear



Holder
rope guidance Medium



Mounting versions
rope guidance Medium

Classic-Line

Maximum sizes

- Max. width 2,200 mm
- Max. height 3,400 mm
- Depending on width, operation and fabric

Head box	C1		C2		C1		C2	
Element width up to	1,500	1,500	2,200	2,200	1,500	1,500	2,200	2,200
Thickness of fabric up to	Max. height manual operation			Max. height electrical operation				
0.2 mm	2,800	3,400	3,400	2,400	3,400	3,400	3,400	
0.3 mm	1,900	3,400	3,400	1,800	3,400	3,400	3,400	
0.4 mm	1,300	3,400	2,500	1,100	3,200	2,500	2,500	
0.5 mm	1,000	2,700	2,000	900	2,500	2,000	2,000	
0.6 mm	800	2,200	1,500	700	2,200	1,600	1,600	

Motors / drives

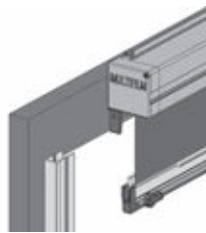
Motors	Specials	Min. width	Voltage	Cable length	Volume
Somfy WT28		355	24V	2.20 m	comfort
Somfy Roll-up 24 RTS	rech. battery motor / radio	530	12V	–	comfort
Somfy Sonesse 28 RTS (not for C1)	rech. battery motor / radio	580	12V	–	silent

Colours

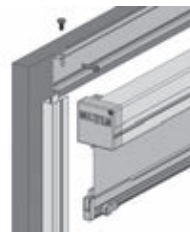
Colours	white (ws)	grey (gr)	black (sw)	RAL
Profiles	x	x (anodized)	–	optional
End caps/ end plates	chrome	chrome	–	optional
Chain Metall chain optional	x	x	x	–

Mounting

- **Adhesive mounting** of the side guides on or in the frame (without drilling)
- **Screw mounting** of the head box and adhesive mounting of the side guides
- **Screw mounting** by plates to the top



Adhesive mounting



Adhesive/screw mounting



Mounting with plates

All dimensions in mm
if not stated otherwise.

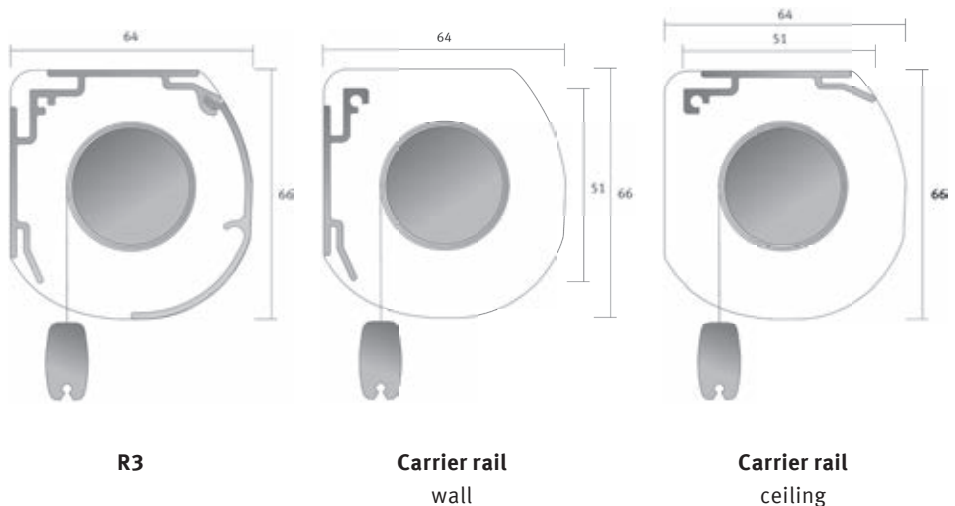
Trend-Line

Properties / use

- Roller blind with or without head box
- Without side guides
- Electrical and manual operation possible

Head box / design

- Head box **R3**
- Without head box with **carrier rail**: mounting by clips to the wall or to the ceiling



Bottom rails

- **T** up to 1,500 mm width
- **S** up from 1,501 mm width

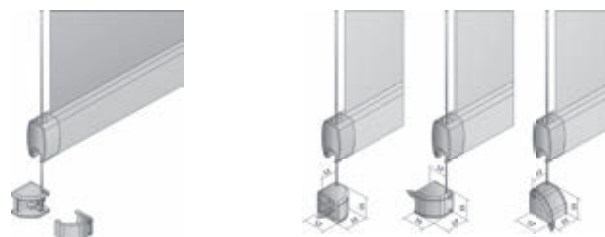


Side guides

- Without side guides

Rope guidance

- Rope guidance Medium
- Screw mounting of the holder to the bottom, to the sides or to the rear



Holder
rope guidance Medium

Mounting versions
rope guidance Medium

Trend-Line

Maximum sizes

- Max. width 2,500 mm
- Max. height 3,400 mm
- Depending on width, operation and fabric

Head box	R3		Rail		R3		Rail	
Element width up to	1,500	2,500	1,500	2,500	1,500	2,500	1,500	2,500
Thickness of fabric up to	Max. height manual operation				Max. height electrical operation			
0.2 mm	3,400	3,400	3,400	3,400	3,400	3,400	3,400	3,400
0.3 mm	3,400	3,400	3,400	3,400	3,400	3,400	3,400	3,400
0.4 mm	3,400	3,400	3,400	3,400	3,400	3,400	3,400	3,400
0.5 mm	3,000	2,400	3,400	2,800	3,000	2,400	3,400	2,800
0.6 mm	2,500	2,000	2,800	2,300	2,500	2,000	2,800	2,300

Motors / drives

Motors	Specials	Min. width	Voltage	Cable length	Volume
Somfy WT28		355	24V	2.20 m	comfort
Somfy Roll-up 24 RTS	rech. battery motor / radio	530	12V	–	comfort
Somfy Sonesse 28 RTS	rech. battery motor / radio	580	12V	–	silent

Colours

Colours	white (ws)	grey (gr)	black (sw)	RAL
Profiles	x	x (anodized)	–	optional
End caps/ end plates	chrome	chrome	–	optional
Chain Metall chain optional	x	x	x	–

Mounting

- **Mounting** per clips with and without head box to the back or to the top



Mounting with head box



Mounting without head box



All dimensions in mm
if not stated otherwise.

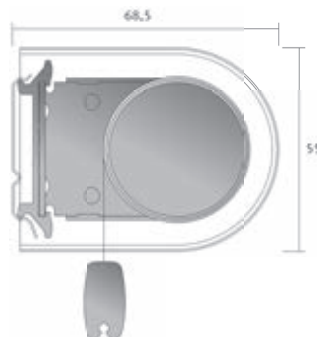
Flexi-Line Medium

Properties / use

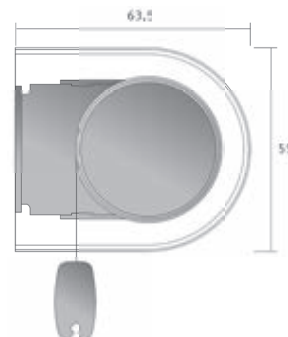
- Systems without head box
- Mounting by carriers or carrier rail
- Electrical and manual operation possible

Head box / design

- Without head box
- With **carrier rail**: mounting by clips to the wall or to the ceiling
- With **carrier**: mounting direct to the wall or to the ceiling



Carrier rail



Carrier

Bottom rails

- **T** up to 1,500 mm width
- **S** up from 1,501 mm width



T



S

Side guides

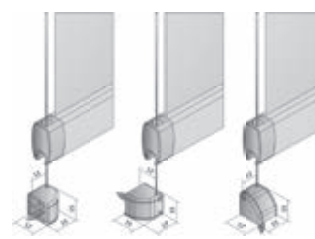
- Without side guides

Rope guidance

- Rope guidance Medium
- Screw mounting of the holder to the bottom, to the sides or to the rear



Holder
rope guidance Medium



Mounting versions
rope guidance Medium

Flexi-Line Medium

Maximum sizes

- Max. width 2,800 mm
- Max. height 4,000 mm
- Depending on width, operation and fabric

Design	Without head box (rail or carrier)			Without head box (rail or carrier)		
Element width up to	1,500	2,300	2,800	1,500	2,300	2,800
Thickness of fabric up to	Max. height manual operation			Max. height electrical operation		
0.2 mm	4,000	4,000	4,000	4,000	4,000	4,000
0.3 mm	4,000	4,000	3,200	4,000	4,000	4,000
0.4 mm	4,000	3,400	2,000	4,000	4,000	4,000
0.5 mm	4,000	3,400	2,000	4,000	4,000	3,700
0.6 mm	4,000	2,600	–	4,000	3,500	3,100

Motors / drives

Motors	Specials	Width	Voltage	Cable length	Volume
Somfy WT28		355 – 2,300	24 V	2.20 m	comfort
Somfy Sonesse 28 RTS	rech. bat- tery motor / radio	580 – 2,300	12 V	–	silent
Somfy LS40		560 – 2,800	230 V	2.50 m	comfort
Somfy Altus 40 RTS	radio	600 – 2,800	230 V	3.00 m	comfort
Somfy Sonesse 40		560 – 2,800	230 V	2.50 m	silent
Somfy Sonesse 40 RTS	radio	600 – 2,800	230 V	3.00 m	silent
Gaposa XS4P330		580 – 2,800	230 V	2.50 m	super silent
Gaposa XS4EX330	radio	680 – 2,800	230 V	2.50 m	super silent

Colours

Colours	white (ws)	grey (gr)	black (sw)	RAL
Profiles	x	x	on demand	optional
End caps/ end plates	x	x	on demand	–
Chain Metall chain optional	x	x	x	–

Mounting

Mounting of the carrier rail

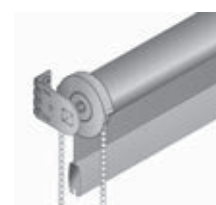
- Screw mounting of the clips
- Fixing of the carrier rail on the clips

Mounting of the carrier

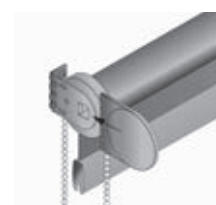
- Screw mounting of the carrier
- Insert winding tube into the carriers
- Attach side covers on the carriers



Mounting of the carrier rail



Mounting of the carriers



All dimensions in mm
if not stated otherwise.

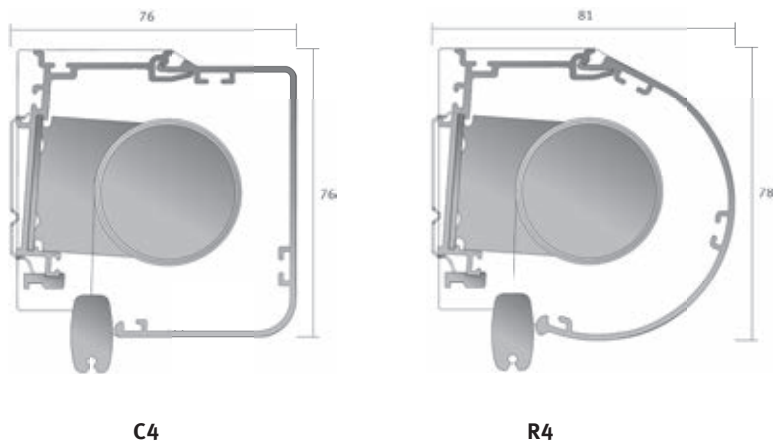
Flexi-Line Medium Cover

Properties / use

- Systems with head box
- Electrical and manual operation possible

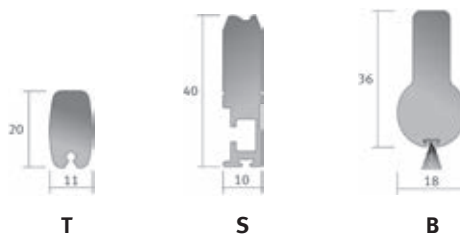
Head box / design

- Head box **C4**
- Head box **R4**



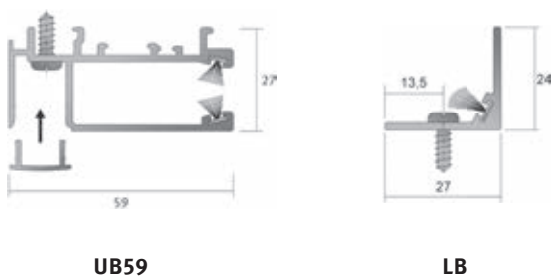
Bottom rails

- **T** without side guides up to 1,500 mm width
- **S** without side guides up from 1,501 mm width
- **B** with side guides



Side guides

- Side guides **UB59** with brush
- Closing profile **LB** with brush, to cover the bottom edge of the blind

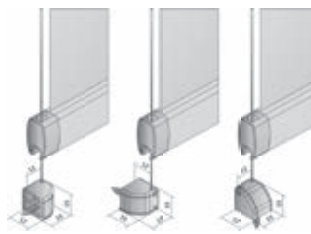


Rope guidance

- Rope guidance Medium
- Screw mounting of the holder to the bottom, to the sides or to the rear



Holder
rope guidance Medium



Mounting versions
rope guidance Medium

Flexi-Line Medium Cover

Maximum sizes

- Max. width 2,800 mm
- Max. height 4,000 mm
- Depending on width, operation and fabric

Head box	C4/R4			C4/R4		
Element width up to	1,500	2,300	2,800	1,500	2,300	2,800
Thickness of fabric up to	Max. height manual operation			Max. height electrical operation		
0.2 mm	4,000	4,000	4,000	4,000	4,000	4,000
0.3 mm	4,000	4,000	3,500	4,000	4,000	3,800
0.4 mm	4,000	3,400	2,600	4,000	3,400	2,800
0.5 mm	3,700	2,700	2,100	3,700	2,700	2,200
0.6 mm	3,000	2,200	–	3,000	2,200	1,800

Motors / drives

Motors	Specials	Width	Voltage	Cable length	Volume
Somfy WT28		355 – 2,300	24 V	2.20 m	comfort
Somfy Sonesse 28 RTS	rech. bat- tery motor / radio	580 – 2,300	12 V		silent
Somfy LS40		560 – 2,800	230 V	2.50 m	comfort
Somfy Altus 40 RTS	radio	600 – 2,800	230 V	3.00 m	comfort
Somfy Sonesse 40		560 – 2,800	230 V	2.50 m	silent
Somfy Sonesse 40 RTS	radio	600 – 2,800	230 V	3.00 m	silent
Gaposa XS4P330		580 – 2,800	230 V	2.50 m	super silent
Gaposa XS4EX330	radio	680 – 2,800	230 V	2.50 m	super silent

Colours

Colours	white (ws)	grey (gr)	black (sw)	RAL
Profiles	x	x	on demand	optional
End caps/ end plates	x	x	on demand	–
Chain Metall chain optional	x	x	x	–

Mounting

Mounting of head box C4/R4

- Screw mounting of the clips
- Attach the carrier rail on the clips



Mounting head box C4



Mounting head box R4



All dimensions in mm
if not stated otherwise.

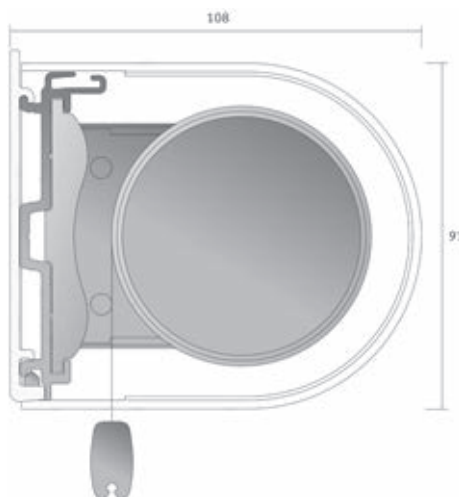
Flexi-Line Large

Properties / use

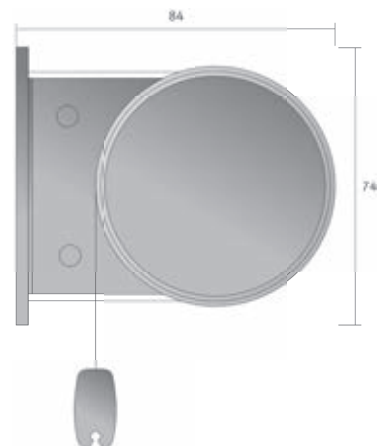
- Roller blind without head box
- Dimensions up to 4 m width and 5 m height
- Electrical and manual operation possible

Head box / design

- Without head box
- With **carrier rail**: mounting by clips to the wall or to the ceiling
- With **carrier**: mounting direct to the wall or to the ceiling



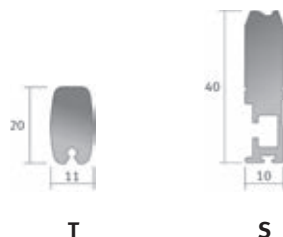
Carrier rail



Carrier

Bottom rails

- **T** up to 1,500 mm width
- **S** up from 1,501 mm width



T

S

Side guides

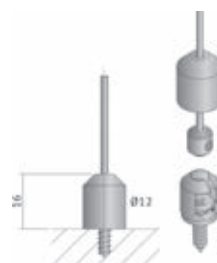
- Without side guides

Rope guidance

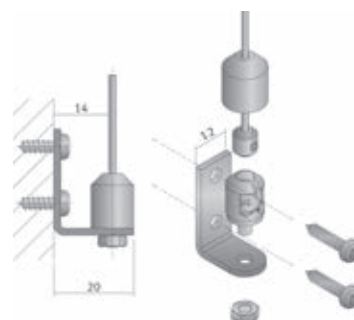
- Rope guidance Large
- Screw mounting to the floor or to the wall



Rope guidance Large



Floor mounting



Wall mounting

*All dimensions in mm
if not stated otherwise.*

Flexi-Line Large

Maximum sizes

- Max. width 4,000 mm
- Max. height 5,000 mm
- Depending on width, operation and fabric

Design	Without head box (rail or carrier)			Without head box (rail or carrier)		
Element width up to	2,800	3,200	4,000	2,800	3,200	4,000
Thickness of fabric up to	Max. height manual operation			Max. height electrical operation		
0.2 mm	5,000	5,000	5,000	5,000	5,000	5,000
0.3 mm	5,000	5,000	4,200	5,000	5,000	5,000
0.4 mm	5,000	5,000	2,400	5,000	5,000	4,800
0.5 mm	5,000	5,000	2,400	5,000	5,000	3,800
0.6 mm	5,000	3,600	1,800	5,000	5,000	3,200

Motors / drives

Motors	Specials	Width	Voltage	Cable length	Volume
Somfy LS40		560 – 2,800	230V	2.50 m	comfort
Somfy Altus 40 RTS	radio	600 – 2,800	230V	3.00 m	comfort
Somfy Sonesse 40		560 – 2,800	230V	2.50 m	silent
Somfy Sonesse 40 RTS	radio	600 – 2,800	230V	3.00 m	silent
Gaposa XS4P330		580 – 2,800	230V	2.50 m	super silent
Gaposa XS4EX330	radio	680 – 2,800	230V	2.50 m	super silent
Somfy Hermes LT50		670 – 4,000	230V	2.50 m	comfort
Somfy Altus 50 RTS	radio	820 – 4,000	230V	3.00 m	comfort
Somfy Sonesse 50		880 – 4,000	230V	3.00 m	silent
Somfy Sonesse 50 RTS	radio	950 – 4,000	230V	3.00 m	silent
Gaposa XS5P530		575 – 4,000	230V	2.50 m	super silent
Gaposa XS5EX530	radio	620 – 4,000	230V	2.50 m	super silent

Colours

Colours	white (ws)	grey (gr)	black (sw)	RAL
Profiles	x	x	on demand	optional
End caps/ end plates	x	x	on demand	–
Chain Metall chain optional	x	x	x	–

Mounting

Mounting of the carrier rail

- Screw mounting of the clips
- Fixing of the carrier rail on the clips

Mounting of the carrier

- Screw mounting of the carrier
- Insert winding tube into the carriers
- Attach side covers on the carriers



Mounting of the carrier rail



Mounting of the carriers



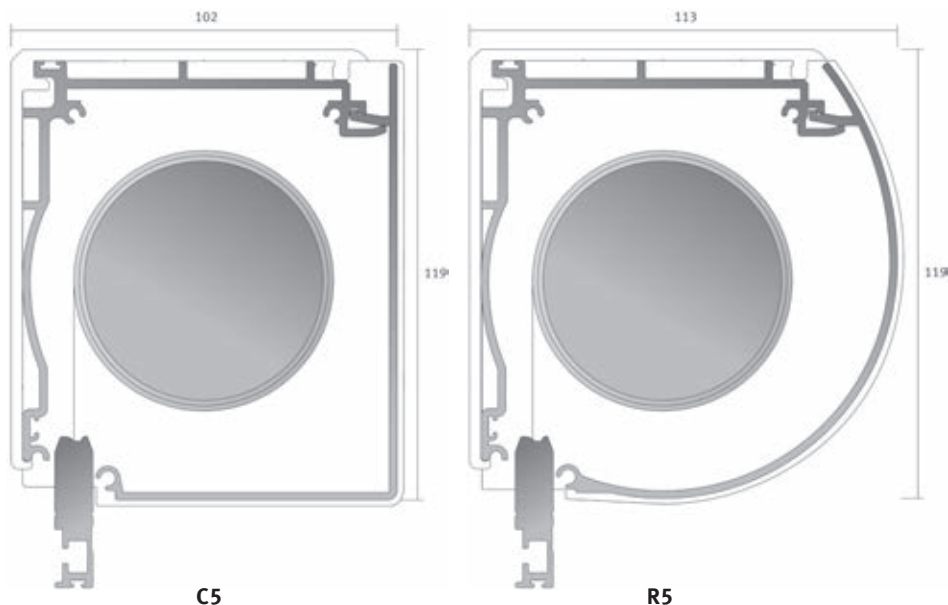
Flexi-Line Large Cover

Properties / use

- Systems with head box
- Dimensions up to 4 m width and 5 m height
- Electrical and manual operation possible

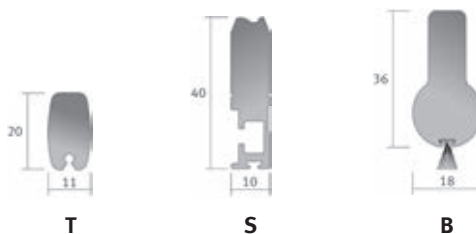
Head box / design

- Head box **C5**
- Head box **R5**



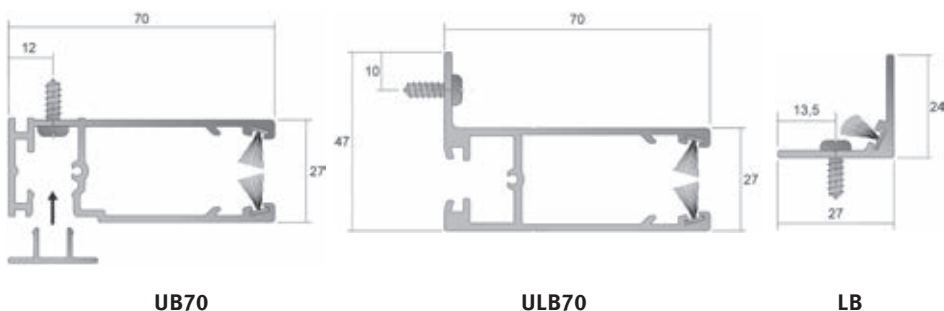
Bottom rails

- **T** without side guides up to 1,500 mm width
- **S** without side guides up from 1,501 mm width
- **B** with side guides



Side guides

- Guide guide **UB70** with brush, for mounting on the frame
- Guide guide **ULB70** with brush, for mounting inside the frame
- Closing profile **LB** with brush, to cover the bottom edge of the blind

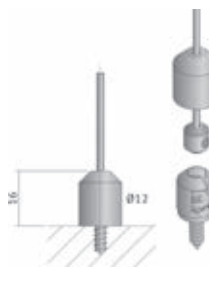


Rope guidance

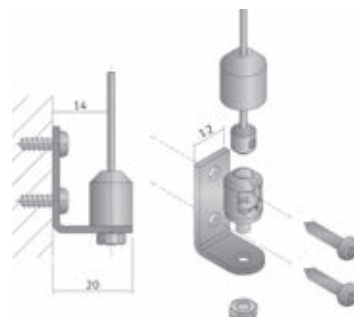
- Rope guidance Large
- Screw mounting to the floor or to the wall



Rope guidance Large



Floor mounting



Wall mounting

Flexi-Line Large Cover

Maximum sizes

- Max. width 4,000 mm
- Max. height 5,000 mm
- Depending on width, operation and fabric

Head box	C5/R5			C5/R5		
Element width up to	2,800	3,200	4,000	2,800	3,200	4,000
Thickness of fabric up to	Max. height manual operation			Max. height electrical operation		
0.2 mm	5,000	5,000	3,700	5,000	5,000	3,700
0.3 mm	5,000	5,000	2,400	5,000	5,000	2,400
0.4 mm	5,000	4,800	1,800	5,000	4,800	1,800
0.5 mm	5,000	3,800	1,400	5,000	3,800	1,400
0.6 mm	4,300	3,200	1,200	4,300	3,200	1,200

Motors / drives

Motors	Specials	Width	Voltage	Cable length	Volume
Somfy LS40		560 – 2,800	230V	2.50 m	comfort
Somfy Altus 40 RTS	radio	600 – 2,800	230V	3.00 m	comfort
Somfy Sonesse 40		560 – 2,800	230V	2.50 m	silent
Somfy Sonesse 40 RTS	radio	600 – 2,800	230V	3.00 m	silent
Gaposa XS4P330		580 – 2,800	230V	2.50 m	super silent
Gaposa XS4EX330	radio	680 – 2,800	230V	2.50 m	super silent
Somfy Hermes LT50		670 – 4,000	230V	2.50 m	comfort
Somfy Altus 50 RTS	radio	820 – 4,000	230V	3.00 m	comfort
Somfy Sonesse 50		880 – 4,000	230V	3.00 m	silent
Somfy Sonesse 50 RTS	radio	950 – 4,000	230V	3.00 m	silent
Gaposa XS5P530		575 – 4,000	230V	2.50 m	super silent
Gaposa XS5EX530	radio	620 – 4,000	230V	2.50 m	super silent

Colours

Colours	white (ws)	grey (gr)	black (sw)	RAL
Profiles	x	x	on demand	optional
End caps/ end plates	x	x	on demand	–
Chain Metall chain optional	x	x	x	–

Mounting

Mounting of head box C5/R5

- Screw mounting of the mounting angles
- Fitting of the rear side on the mounting angles
- Attach front side on the blind
- Attach the side covers on the carriers

All dimensions in mm
if not stated otherwise.



Mounting of the head box C5/R5

Electrical accessories

Controls for 24V (Classic-Line, Trend-Line)

Inis DC (switch power supply)

- Single control for Somfy WT28

Centralis DC IB (central push-button)

- Group control of up to 3 blinds with Somfy WT28 (power supply not incl.) and central control possible



Inis DC



Centralis DC IB

Group control of several roller blinds with Somfy WT28 on demand.

Controls for 230V motors cable connected (Flexi-Line)

Switch **Smoove Uno**

- Single control

Switch **Smoove Duo**

- Control of 2 blinds

Push-button **Smoove Uno IB+**

- Single control central push-button
- **Smoove Origin IB**
- In connection with group control device



Smoove Uno



Smoove Duo



Smoove Uno IB+



Smoove Origin IB

Group control of several roller blinds with 230V motors on demand.

Radio transmitters for Somfy radio motors (RTS in Classic-, Trend- and Flexi-Line)

1-channel hand-held radio transmitter

5-channel hand-held radio transmitter

6-channel hand-held radio transmitter

- With timer

16-channel hand-held radio transmitter



1-channel hand-held radio transmitter



5-channel hand-held radio transmitter



6-channel hand-held radio transmitter



16-channel hand-held radio transmitter

Charger and accessories for Somfy rechargeable battery motors (Classic-, Trend- and Flexi-Line Medium)

Charger for Roll-up 24 RTS and Sonesse 28 RTS

Extension for charger



Charger



Extension

Electrical accessories

Radio transmitters for Gaposa 230V radio motors (Flexi-Line)

1-channel hand-held radio transmitter

1-channel wall radio transmitter

90-channel radio transmitter

▪ With Timer



**1-channel hand-held
radio transmitter**



**1-channel wall
radio transmitter**



**90-channel hand-held
radio transmitter**

5-channel hand-held radio transmitter

5-channel wall radio transmitter

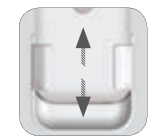
Wall holder for 90-channel wall radio transmitter



**5-channel hand-held
radio transmitter**



**5-channel wall
radio transmitter**



**Wall holder for 90-channel
wall radio transmitter**

Building automation / Smart Home

In general all electrical roller blinds can be integrated in building controls, such as in KNX, LON systems or Somfy controls.

Wireless motors can be operated conveniently via the Somfy TaHoma® Box or other smart home solutions.



Smart Home with Gaposa



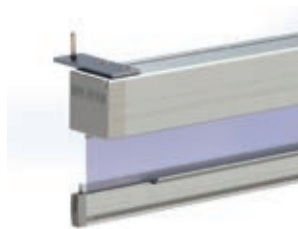
Smart Home with Tahoma

Accessories

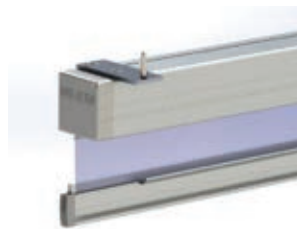
Mounting plates

Mounting plates

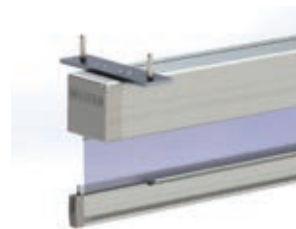
- For mounting Classic-Line 3 mm/8 mm



Mounting plate
one sided to the back



Mounting plate
one sided to the front



Mounting plate
both-sided

Chains and accessories

Plastic chain

- White, grey or black

Chain connector plastic

- White, grey or black

Chain weight plastic

- White, grey or black

Chain stop ball plastic

- Transparent

Chain holder plastic

- Transparent or white

Mounting tape

Metall chain

Chain connector metall



Plastic chain



Chain connector



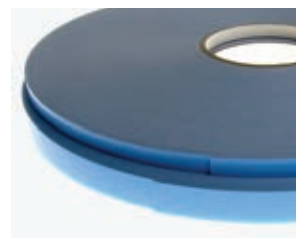
Chain weight



Chain stop ball



Chain holder



Mounting tape



Metall chain



Chain connector

Safety for children

Accessories according to the provisions of **EN 13120: 2014** on child safety:

Safety chain connector plastic

- White, grey or black

Safety chain holder plastic

- Transparent



Safety chain connector



Safety chain holder

European standard for child safety EN 13120: 2014:
The executing company/ installer is responsible for the correct execution and installation of the systems and for the information of the end customer about possible risks.

Notes on measurement

Please note!

Order width = element width

(outside edge of the blind)

Order height = element height

(top edge of the blind to the bottom

edge of the bottom rail/closing profile)

Please note the following fitting clearance when ordering!

There will be no deductions made during production.

The blinds will be delivered in order dimensions.

You can find information on the mounting options on the respective product page.

Mounting on the frame



Fitting clearance

Plug-in mounting

Compact-Line

10 mm above head box

Classic-Line

14 mm above head box

Mounting by clip or carrier

Trend-Line and Flexi-Line

no fitting clearance necessary

Screw mounting

Classic-Line

5 mm above head box

Mounting with carriers

Flexi-Line Large Cover

5 mm above head box

Mounting in the reveal / in the window niche / inside the frame



Fitting clearance

Plug-in mounting

Compact-Line and Classic-Line

3 mm in the width (with motor 5 mm),
10 mm above head box at Compact-Line,
14 mm above head box at Classic-Line

Mounting by plates

Classic-Line

3 mm in the width (with motor 5 mm),
6 mm above head box with 3 mm plates,
11 mm above head box with 8 mm plates

Mounting with clip/carrier/angles

Trend-Line and Flexi-Line

5 mm in the width (with motor 7 mm),
5 mm for clip/carriers/angles to the top/ceiling or
to the back/wall

Mounting in front of the reveal or the window niche



Fitting clearance

Mounting on the wall

On both sides an overlapping of 50 mm is recommended. In closed-blind-position the bottom rail should not cover the window opening.

Ordering

Order form	
Customer:	Anodized/grey <input type="checkbox"/> white <input type="checkbox"/> black <input type="checkbox"/> RAL no.: Name of colour: Notes: Date: Desired date of dispatch:
Order no./commission:	Dispatch by:

pos.	quant.	abbr.	width	height	head box	fabric type	operationside	guiding	closing profile	chain length	motor type	fixing
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

Accessories:		
item no.	designation	quantity

Order information

pos.	quant.	abbr.	width	height	head box	fabric type	operation side	guiding	closing profile	chain length	motor type	fixing
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)

Column	Description	Hanging chain length										
(1)	Position number	in 250 mm steps The chain colour (white/grey/black) will be choosen automatically according to the element colour. Please order metall chain under Notes.										
(2)	Quantity of equal elements	Type of motor										
(3)	Abbreviation of the product	<div> <div> without motor WT28 24V Roll-up 24 RTS Sonesse 28 RTS LS40 3/30 RTS40 3/30 Son40 Son40RTS Gaposa XS4P330 Gaposa XS4EX330 LT50 4/32 RTS50 6/32 Son50 Son50RTS 3/28 Gaposa XS5P530 Gaposa XS5EX530 </div> <div> Type of motor </div> </div>										
(4)	Width of element in mm order width is the element width	Type of mounting										
		Compact-Line:										
		AR IL mounting on the frame mounting inside the frame										
		Classic-Line:										
(5)	Height of element in mm order height from the top of the head box to the bottom of the bottom rail/closing profile	ST ZA ZI BP screw mounting on the frame adhesive mounting on the frame adhesive mounting inside the frame with mounting plates										
		Trend-Line:										
		CW CD with clip on the wall with clip on the ceiling										
		Flexi-Line:										
(6)	Abbreviation of head box type	<div> <div> without head box head box – Compact-Line head box – Compact-Line closed small head box Classic-Line large head box Classic-Line head box Trend-Line head box Flexi-Line Medium round head box Flexi-Line Medium square head box Flexi-Line Large round head box Flexi-Line Large square </div> <div> Type of fabric </div> </div>										
		<div> <div> T01SiGy04 T01SiGy11 T02SiGy08 T03SiGy04 T03SiGy07 T07WtGy00 T08SiGy08 T09SiGy07 T09SiGy05 T22SiGy06 </div> <div> T22SiGy03 T27WtWt20 T41PmGy02 T42WtWt00 T50SiGy12 T51GyGy07 T51BRBk04 T70WtWt45 T80SiGy04 T80SiBk03 </div> </div>										
		Operation side										
		L left R right										
(7)	Type of side guide or rope guidance	<div> <div> U12 U15/25 U27 U38 U50 </div> <div> – without side guide/rope guidance UB59 UB70 ULB70 rope guidance </div> </div>										
		Closing profile										
		– x without closing profile with closing profile										
		W D on the wall on the ceiling										

Notes





MultiTex®
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