ELECTRIC

THE **BRADLEY** COLLECTION

somfy®

TECHNICAL GUIDE

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TECHNICAL GUIDE

This technical guide was designed to be used along side one of our the ⚡| Electric collections specification guides.

If any questions arise please call your local sales representative or contact The Bradley Collection directly.

Electrical installations must be carried out by qualified professionals. In line with the relevant wiring diagrams and conform to local regulations.

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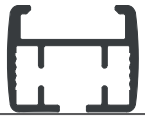
TRACK CONFIGURATIONS

PROFILE

Poles are manufactured to suit individual requirements. When calculating the length of your pole, remember to allow tolerance beyond the width of the frame for the curtains to draw back to the edge of the window.

Poles exceeding the recommended maximum distance between brackets, will be cut into equal parts unless otherwise specified. Pole joiners will be supplied. Joining brackets should be placed at every join.



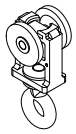
Motor Type	Maximum System Length - Single Stack →	Maximum System Length - Pair Stack →←
Glydea Ultra 60e	12000mm (39')	12000mm (39')
Irismo 45WF	10000mm (32.5')	10000mm (32.5')
Movelite 35	10000mm (32.5')	10000mm (32.5')
Movelite 35WF	6000mm (20')	6000mm (20')

HAND DRAWN

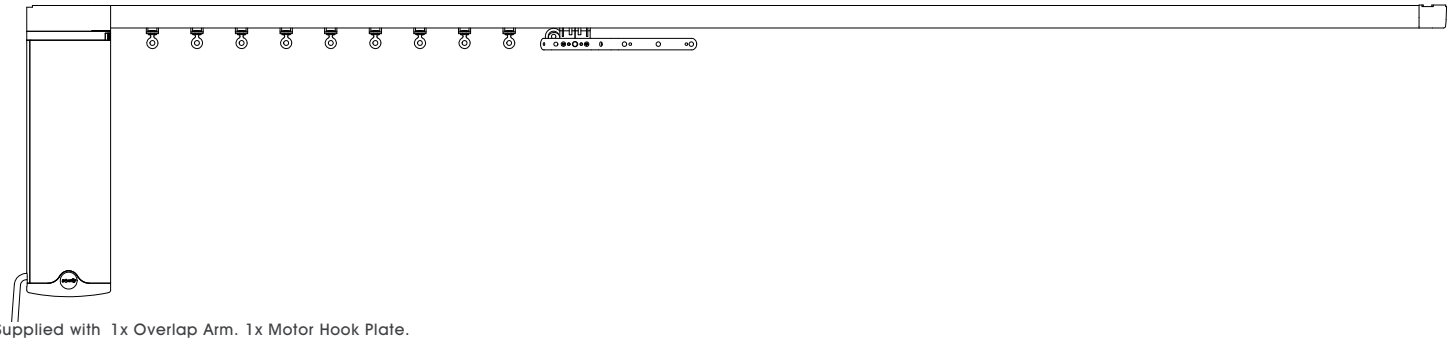
For windows or double treatments where motorisation is not required, hand drawn option are available.

ROLLERS

Systems ordered with Standard Rollers will be supplied as per the diagrams below.

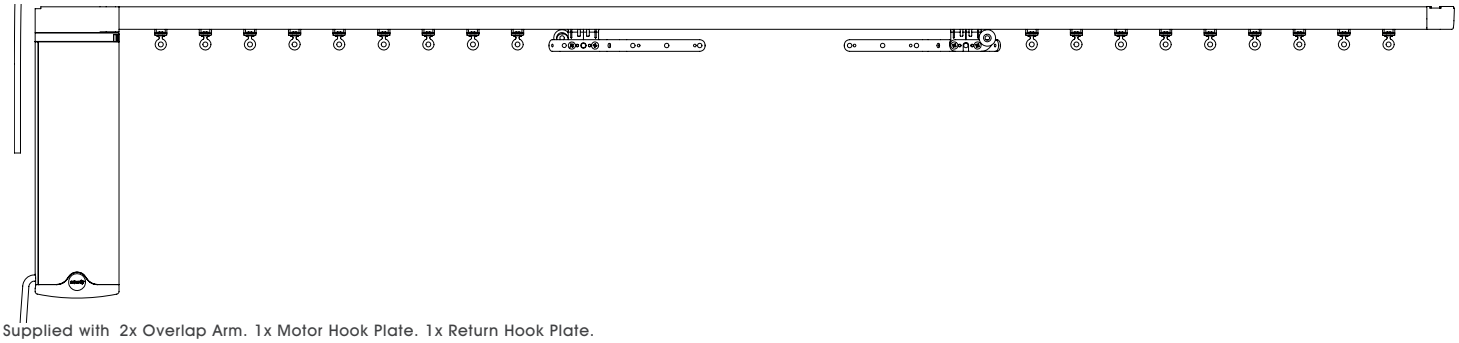


SINGLE STACK →



Supplied with 1x Overlap Arm. 1x Motor Hook Plate.

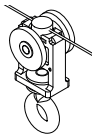
PAIR STACK →←



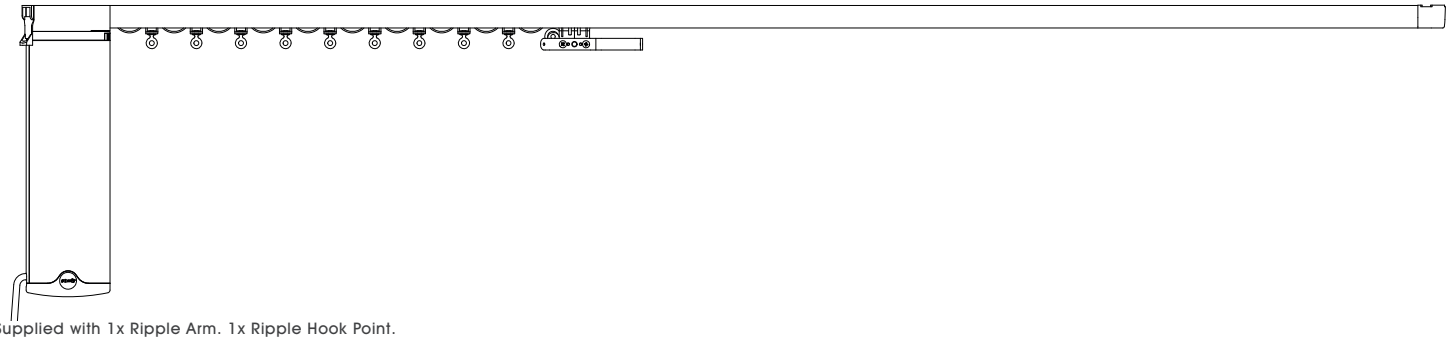
Supplied with 2x Overlap Arm. 1x Motor Hook Plate. 1x Return Hook Plate.

RIPPLE® ROLLERS

Systems ordered with Ripplefold Rollers will be supplied as per the diagrams below.

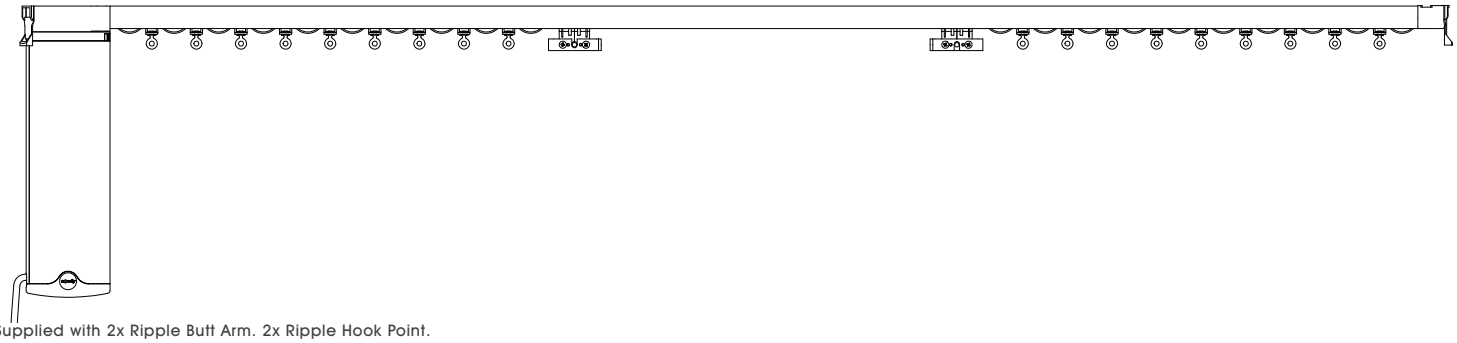


SINGLE STACK →



Supplied with 1x Ripple Arm. 1x Ripple Hook Point.

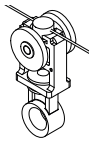
PAIR STACK →←



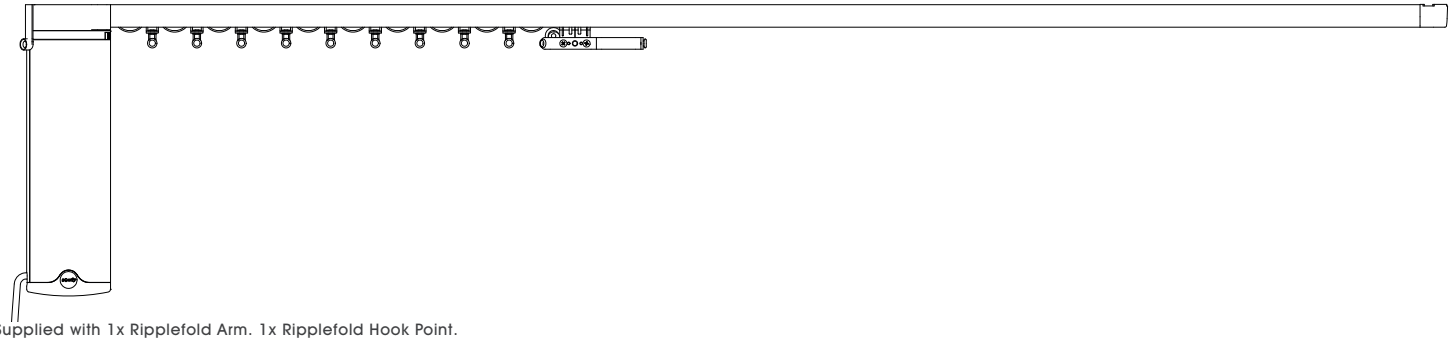
Supplied with 2x Ripple Butt Arm. 2x Ripple Hook Point.

RIPPLEFOLD® ROLLERS

Systems ordered with Ripplefold Rollers will be supplied as per the diagrams below.

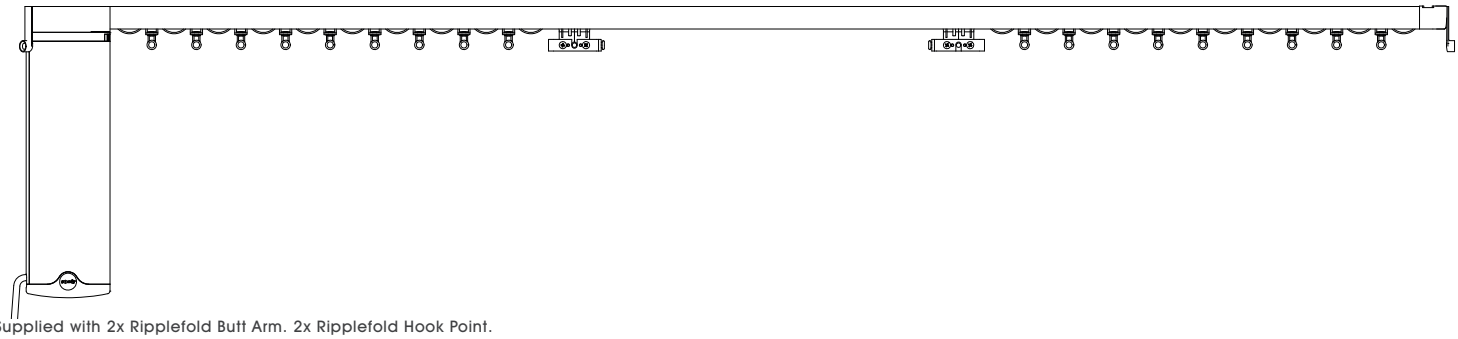


SINGLE STACK →



Supplied with 1x Ripplefold Arm. 1x Ripplefold Hook Point.

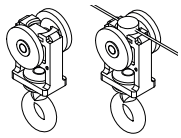
PAIR STACK →←



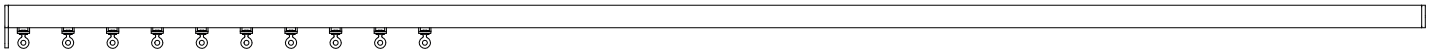
Supplied with 2x Ripplefold Butt Arm. 2x Ripplefold Hook Point.

ROLLERS, RIPPLE ROLLERS

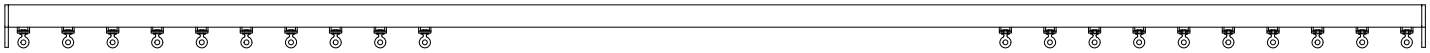
Systems ordered with Rollers, Ripple Rollers will be supplied as per the diagrams below.



SINGLE STACK →

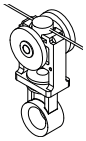


PAIR STACK →←

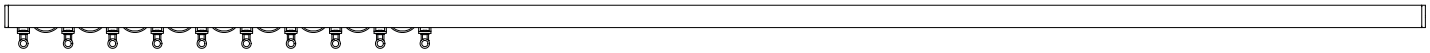


RIPPLEFOLD® ROLLERS

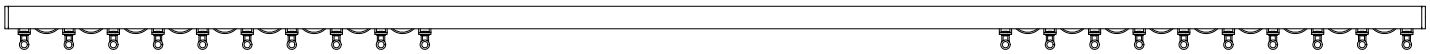
Systems ordered with Rollers, Ripple & Ripplefold Rollers will be supplied as per the diagrams below.



SINGLE STACK →



PAIR STACK →←



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CURTAIN INFORMATION

STACKING OPTIONS

With electric systems stacking options are configured at the point of assembly, so must be specified when ordering.

Single or pair stack Ripple/Ripplefold curtain stacking must be specified when orderering as this will affect the number of rollers supplied.

SINGLE STACK

On single stack systems the motor is always positioned on the stacking side. Allowing the motor to be hidden behind the curtain.

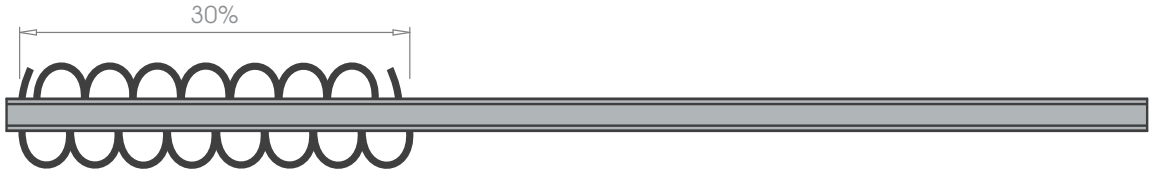
PAIR STACK

Double stack curtains can have the motor positioned at either end of the pole.

STACK SIZES

This is the area where the curtains hang against the wall when they are pulled open. by covering the wall and not the glass, during the day, it allows more light into the room. Allow approximately 30% of the length of the track for curtain stacking. very full curtains (e.g. pencil pleat) will need more space than flatter ones. lined and interlined curtains will also require more stacking space than unlined.

SINGLE STACK →



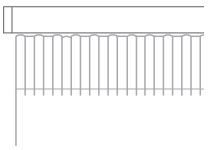
PAIR STACK →←

STANDARD HEADINGS

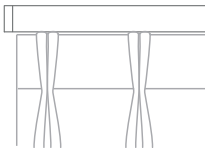
Standard rollers will be supplied every 100mm (4") unless otherwise specified.

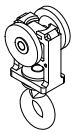
Rollers can be loaded and removed from either end of the pole after assembly by removal of the spring stop or return cover as shown.

STANDARD
FULLNESS 1.5



Pinch Pleat
Fullness 2.0



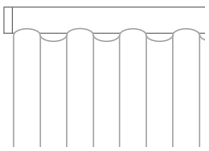


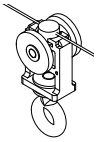
ROLLERS
Rollers are preferred for heavy drapery.
one roller is specified for every 100mm (4").

RIPPLE HEADING

Ripple is a simple **S** folded heading system consisting of rollers spaced by a cord and a special pocketed header tape that is sewn onto a flat panel curtain. When assembled in the pole, the rollers on the cord are spaced at distance shown below and this fixes the 'pitch' of the ripple. The flat panel curtain(s) are made in the conventional way with the pocketed header tape sewn to the header. Hooks are fitted to header tape at a set spacing creating the ripple effect

RIPPLE





RIPPLE ROLLERS
80mm (3 1/8") spacing between the rollers.

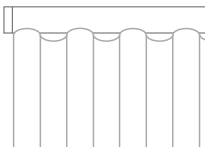
Roller-Cord Spacing	Curtain Hook Spacing	Approx. Curtain Fullness	Stack Depth per 1M (39 3/8") of pole	Min Bracket Projection
80mm (3 1/8")	160mm (6 5/16")	2.3	180mm (7 1/16")	100mm (4")

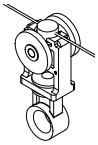
RIPPLEFOLD HEADING

Ripplefold pleat style is named for the soft, consistent ripples created by the drapery as it hangs from the track. it offers an elegant, contemporary look.

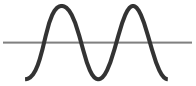
- Ideal for both residential and commercial settings.
- Drapery is constructed with snap tape (graber® is required) that allows the drapery to be snapped directly to the auxillary carriers on the track.
- Fullness of the drapery is determined by the spacing of the carriers in the track. the higher the fullness factor, the more full the draperies appear. Lutron® Ripplefold® tracks are available in 3 fullness factors

RIPPLEFOLD®





RIPPLEFOLD ROLLERS
80% • 100% • 120% Fullness options

	Roller-Cord Spacing	Curtain Fullness	Stack Depth per 1M (39 3/8") of pole	Min Bracket Projection
	60mm (2 3/8")	80%	270mm (10 5/8")	100mm (4")
	55mm (2 3/16")	100%	310mm (12 3/16")	100mm (4")
	45mm (1 3/4")	120%	360mm (14 3/16")	100mm (4")

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CURTAIN WEIGHTS

Different types of fabric have widely differing weights. The type of curtain heading used (see below) will determine the fullness of the fabric used: this can be anything from 1.5 x the width of the pole to 3.0 x pole width.

The chart below assumes 100% fullness (2.0 x width of the pole) the weights are very approx and can vary for many reasons. Always check the expected and final total curtain weight with the curtain maker. Based on 1200mm (48") fabric width

Curtain Type	Width↓ /Drop→	1m (3.5')	2m (7')	3m (10.5')	4m (14")	5m (16.5')	6m (20")
Print Cotton (Light)	1m (3.5')	0.8kg (1.8lb)	1.7kg (3.7lb)	2.5kg (5.5lb)	3.4kg (7.4lb)	4.2kg (9.2lb)	5.0kg (11.1lb)
	2m (7')	1.3kg (2.8lb)	2.5g (5.5lb)	3.8kg (8.3lb)	5kg (11.1lb)	6.3kg (13.9lb)	7.6kg (16.6lb)
	3m (10')	1.7kg (3.7lb)	3.4kg (7.4lb)	5kg (11.1lb)	6.7kg (14.8lb)	8.4kg (18.5lb)	10kg (22lb)
Linen (Medium)	1m (3.5')	1.1kg (2.3lb)	2.1kg (4.6lb)	3.2kg (6.9lb)	4.2kg (9.2lb)	5.3kg (11.6lb)	6.3kg (13.9lb)
	2m (7')	1.6kg (3.5lb)	3.2kg (6.9lb)	4.7kg (10.4lb)	6.3kg (13.9lb)	7.9kg (17.3lb)	9.5kg (20.8lb)
	3m (10')	2.1kg (4.6lb)	4.2kg (9.2lb)	6.3kg (13.9lb)	8.4kg (18.5lb)	10.5kg (23.1lb)	12.6kg (27.7lb)
Velvet (Heavy)	1m (3.5')	1.5kg (3.2lb)	3.2kg (6.5lb)	4.4kg (9.7lb)	5.9kg (12.9lb)	7.4kg (16.2lb)	8.8kg (19.4lb)
	2m (7')	2.2kg (4.9lb)	4.4kg (9.7lb)	6.7kg (12.6lb)	8.8kg (19.4lb)	11kg (24.3lb)	13.2kg (22lb)
	3m (10')	2.9kg (6.5lb)	5.9kg (12.9lb)	8.8kg (19.4lb)	11.8kg (26lb)	14.7kg (32.2lb)	17.6kg (39lb)

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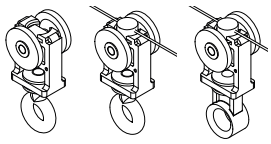
MAXIMUM WEIGHTS

Maximum weight recommendations for all standard curtain types using gliders & roller are defined to ensure safe and proper function of the electric system. These must be adhered to. See table below for details of all options.

Bends will considerably reduce the load bearing capability of any system.

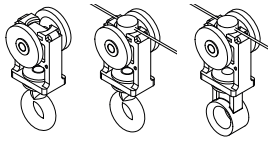
GLYDEA ULTRA 60E MOTOR WT • DCT • RTS



Rollers One roller is specified for every 100mm (4").
Ripple Rollers 80mm (3⅛") spacing between the rollers.
Ripplefold® Rollers available in 80% • 100% • 120% fullness options.

System Width Single Stack → / Pair Stack →←	Straight	1 Bend Bay	2 Bend Bay	4 Bend Bay	Curved Bay
3m (10')	60kg (132lb)	45kg (99lb)	35kg (77lb)	n/a*	35kg (77lb)
6m (19.5')	60kg (132lb)	45kg (99lb)	35kg (77lb)	n/a*	35kg (77lb)
10m (33') [Curve Max 8m (26')]	60kg (132lb)	45kg (99lb)	25kg (55lb)	n/a*	[25kg (55lb)]
12m (39')	55kg (121.2lb)	35kg (77lb)	—	—	—

IRISMO 45 WF MOTOR RTS



Rollers One roller is specified for every 100mm (4").
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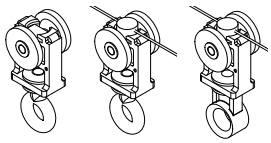
System Width Single Stack → / Pair Stack →←	Straight	1 Bend Bay	2 Bend Bay	4 Bend Bay	Curved Bay
3m (10')	45kg (99lb)	45kg (99lb)	35kg (77lb)	n/a*	35kg (77lb)
6m (19.5')	45kg (99lb)	45kg (99lb)	30kg (66lb)	n/a*	20kg (44lb)
10m (33')	45kg (99lb)	35kg (77lb)	20kg (44lb)	n/a*	—

MOVELITE 35 MOTOR WT • DCT • RTS



Rollers One roller is specified for every 100mm (4").
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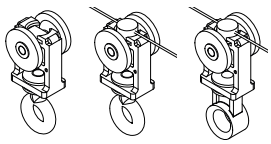
Ripplefold® Rollers available in 80% • 100% • 120% fullness options.

System Width Single Stack → / Pair Stack →←	Straight	1 Bend Bay	2 Bend Bay	4 Bend Bay	Curved Bay
3m (10')	35kg (77lb)	35kg (77lb)	15kg (33lb)	n/a*	35kg (77lb)
6m (19.5')	35kg (77lb)	25kg (55lb)	10kg (22lb)	n/a*	10kg (22lb)
10m (33')	35kg (77lb)	20kg (44lb)	—	—	—

MOVELITE 35 WF MOTOR RTS



Rollers One roller is specified for every 100mm (4").
Ripple Rollers 80mm (3⅛") spacing between the rollers.
Ripplefold® Rollers available in 80% • 100% • 120% fullness options.

System Width Single Stack → / Pair Stack →←	Straight	1 Bend Bay	2 Bend Bay	4 Bend Bay	Curved Bay
3m (10')	35kg (77lb)				
6m (19.5')	35kg (77lb)				

Not Suitable for use within bay windows

* no data available - additional bends will reduce the load bearing capability of they system

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MOTORS

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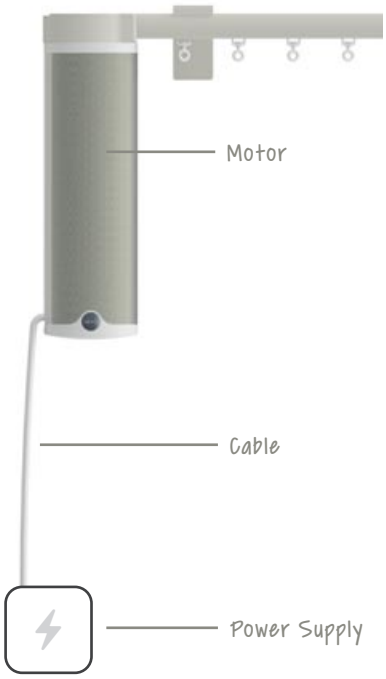
MOTOR POSITIONING

Mains powered motor's needs to be positioned on same side of the window as the power supply.

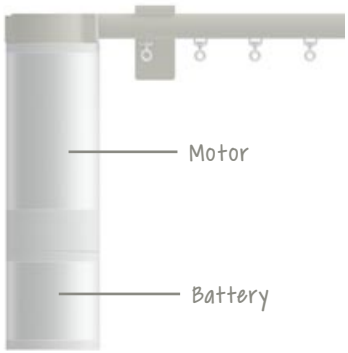
Wiring diagrams are available on request

Motorised systems are unsuitable for use outdoors or in damp environments such as shower rooms and bathrooms.

MAINS POWERED SYSTEMS



BATTERY POWERED SYSTEMS
SOMFY® MOVELITE & IRISMO ONLY



LEFT HAND MOTOR

RIGHT HAND MOTOR

GLYDEA ULTRA 60E MOTOR WT • DCT • RTS

Size	L291mm (11 7/16") x W93mm (3 11/16") x D53mm (2 1/16")
Power Supply	120V, 50/60 Hz
Noise	< 38 dBA in Silent mode
Max Length	11m (36')
Max Weight	60kg (132lb)
Control	WT, DCT, RTS
WT Motor	4 core cable Mains switching Controlled with automation systems or hard wired wall switch
DCT Motor	3 core cable Dry contact, Volt free switching Controlled with automation systems via volt free or RTS / volt free hard wired wall switch
RTS Motor	3 core cable Built in radio receiver Dry contact, Volt free switching Controlled with Somfy remote or app control options / automation systems via volt free or RTS / volt free hard wired wall switch

MOTOR FEATURES	Glydea Ultra 60e WT	Glydea Ultra 60e DCT	Glydea Ultra 60e RTS
Soft Start	✓	✓	✓
Soft Stop	✗	✓	✓
Intermediate Position	✗	✓	✓
Manual Override	✓	✓	✓
Touch Motion	✗	✓	✓
Automatic Limits on End Stop	✓	✓	✓
Back Release	✓	✗	✗
Adjustable Limits	✗	✓	✓
Speed Control & Adjustment	✓	✓	✓
Set via 3 NO Dry Contact Setting tool	✓	✓	✓
Setting with button on motor	✓	✓	✓
Motor direction change	✓	✓	✓
DCT ergonomics setting 2 or 3 buttons	✗	✓	✓
Factory reset	✓	✓	✓
LED indicators	✓	✓	✓
Modulability	✗	✓	✓
Silent mode	✓	✓	✓
Buzzer indicators	✗	✗	✗
Remote control	✗	✗	✓
App control	✗	✗	✓

IRISMO 45 WF MOTOR RTS

Size	L308mm (12 1/8") x W93mm (3 11/16") x D53mm (2 1/16")
Power Supply	26.6 Li-Ion
Battery Capacity	2950 mAh
Battery Life	Single Charge last's 9 months
Noise	< 44 dBA
Max Length	10m (33')
Max Weight	45kg (99lb)
Control	RTS
RTS Motor	Battery Powered
	Wire free
	Built in radio receiver
	Controlled with Somfy remote or app control options / automation systems via RTS

MOTOR FEATURES	**Irismo 45WF RTS**
Soft Start	✓
Soft Stop	✓
Intermediate Position	✓
Manual Override	✓
Touch Motion	✓
Automatic Limits on End Stop	✓
Back Release	✗
Adjustable Limits	✓
Speed Control & Adjustment	✓
Set via 3 NO Dry Contact Setting tool	✗
Setting with button on motor	✗
Motor direction change	✓
DCT ergonomics setting 2 or 3 buttons	✗
Factory reset	✓
LED indicators	✓
Modulability	✗
Silent mode	✗
Buzzer indicators	✓
Remote control	✓
App control	✓

MOVELITE 35 MOTOR WT • DCT • RTS

Size	L265mm (10 7/16") x W93mm (3 11/16") x D53mm (2 1/16")
Power Supply	90 - 255V, 50/60 Hz
Noise	< 41 dBA
Max Length	6m (19.5')
Max Weight	35kg (77lb)
Control	WT, DCT, RTS
WT Motor	4 core cable Mains switching Controlled with automation systems or hard wired wall switch
DCT Motor	3 core cable Dry contact, Volt free switching Controlled with automation systems via volt free or RTS / volt free hard wired wall switch
RTS Motor	3 core cable Built in radio receiver Dry contact, Volt free switching Controlled with Somfy remote or app control options / automation systems via volt free or RTS / volt free hard wired wall switch

MOTOR FEATURES	Movelite 35 WT	Movelite 35 DCT	Movelite 35 RTS
Soft Start	✗	✗	✗
Soft Stop	✗	✗	✗
Intermediate Position	✓	✗	✓
Manual Override	✓	✓	✓
Touch Motion	✓	✗	✓
Automatic Limits on End Stop	✓	✓	✓
Back Release	✗	✗	✗
Adjustable Limits	✓	✗	✓
Speed Control & Adjustment	✗	✗	✗
Set via 3 NO Dry Contact Setting tool	✓	✓	✓
Setting with button on motor	✗	✗	✗
Motor direction change	✓	✓	✓
DCT ergonomics setting 2 or 3 buttons	✓	✗	✓
Factory reset	✓	✓	✓
LED indicators	✗	✗	✗
Modulability	✗	✗	✗
Silent mode	✗	✗	✗
Buzzer indicators	✗	✗	✗
Remote control	✗	✗	✓
App control	✗	✗	✓

MOVELITE 35 WF MOTOR RTS

Size	L279mm (10 5/16") x W93mm (3 11/16") x D53mm (2 1/16")
Power Supply	14.8 Li-Ion
Battery Capacity	2000 mAh
Battery Life	Single Charge last's 4-6 months
Noise	< 41 dBA
Max Length	6m (19.5')
Max Weight	35kg (77lb)
Control	RTS
RTS Motor	Battery Powered Wire free Built in radio receiver Controlled with Somfy remote or app control options / automation systems via RTS

MOTOR FEATURES	**Movelite 35WF RTS**
Soft Start	✗
Soft Stop	✗
Intermediate Position	✓
Manual Override	✓
Touch Motion	✓
Automatic Limits on End Stop	✓
Back Release	✗
Adjustable Limits	✓
Speed Control & Adjustment	✗
Set via 3 NO Dry Contact Setting tool	✗
Setting with button on motor	✗
Motor direction change	✓
DCT ergonomics setting 2 or 3 buttons	✗
Factory reset	✓
LED indicators	✓
Modulability	✗
Silent mode	✗
Buzzer indicators	✗
Remote control	✓
App control	✓

SOMFY

REMOTE CONTROL

Single channel remote can control one motor or a group of motors at the same time.
If you require each motor to run independently then either Single channel remote must be specified for each window or a multi channel remote needs to be specified

Multi channel remote can control multiple motors independently or grouped together.

This option needs requires the motor to either have RTS built in or RTS module through a control system.

APP CONTROL

The system can be controlled with the Somfy Tahoma app or through smart devices & Amazon Alexa.

The system can also be integrated with all major home control systems.

This option needs requires the motor to either have RTS built in or RTS module through a control system.

AUTOMATION SYSTEMS

The system can also be integrated with all major home control systems.

This will require additional components and the system being installed & composing by automaton specialist's

Control4 KNX LUTRON CRESTRON

Requires the motor to either have RTS built in or RTS module through a control system.

Single channel remote can control one motor or a group of motors at the same time.
Multi channel remote can control multiple motors independently or grouped together.

Situo 1 RTS - Single Channel Remote

Size	145 x 49 x 22 mm
Water Rating	IP 30
Battery Type	2430 Lithium - 3V
Channel	1
Frequency	433.42 MHz
Range	200m in open field or 20m through 2 reinforce concrete walls
Colour	White
Misc	Wall holder included

Situo 5 RTS - Multi Channel Remote

Size	145 x 49 x 22 mm
Water Rating	IP 30
Battery Type	2430 Lithium - 3V
Channel	5
Frequency	433.42 MHz
Range	200m in open field or 20m through 2 reinforce concrete walls
Colour	White
Misc	Wall holder included

Requires the motor to either have RTS built in or RTS module through a control system.

From smart application to home automation, the most complete & evolutive connected experience with the TaHoma environment

- From the touch of a button, to app control, all the way to voice control, TaHoma switch offers an accessible to all and scalable smart home solution.
- Tahoma switch controls key home equipment from Somfy and major partner brands (shades, shutters, doors, gates, windows, heating, lighting, cameras, alarm systems and more) for more security, greater energy efficiency and enhanced comfort every day.
- Thanks to the native integration of the io-homecontrol, RTS and Zigbee 3.0 protocols along with cloud compatibilities Tahoma switch is an evolutive solution, that allows people to add equipment as they'd like.
- TaHoma switch is also compatible with Google Assistant and Amazon Alexa enlarging the user experience to voice control.

Tahoma

Radio frequency	868-870 MHz and 433.42 MHz
Technology	io-homecontrol, RTS and Zigbee 3.0
Connections§	1 x Micro-USB
Current	230 V / 5V DC 1 A
Enclosure class	IP30
Range	200 meters open field
Working temperature	0 ° C to + 50 ° C
Dimensions	162 x 67.5 x 34 mm
Weight	213 g
Colour	White
Location	Indoor
Other	LED (red / green / orange / white).
Miscellaneous	Two physical control buttons at the top of scenes.

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Specialised fixings for mounting brackets will be required in certain situations and are not provided as standard. Steel items are not recommended for damp conditions such as shower rooms. Crystal finials and acrylic poles should not be positioned in direct sunlight, and are not suitable for use in conservatories. Fluid Metal items are supplied unlacquered and will tarnish over time.

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