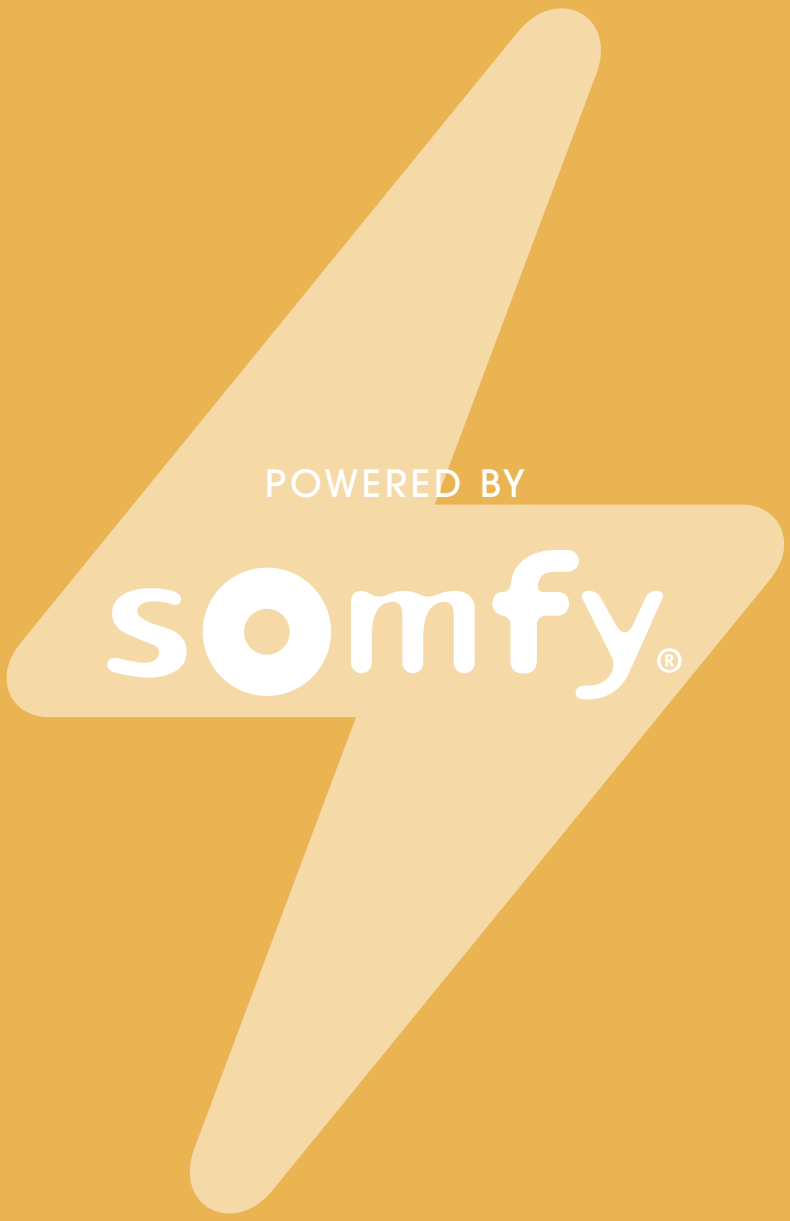


THE **BRADLEY** COLLECTION

TECHNICAL GUIDE

SOMFY

TECHNICAL GUIDE

This technical guide has been designed to be used alongside our | Electric collections specification guides.

If you have any questions, please contact your local sales representative or The Bradley Collection directly.

Track Configurations Page 3-8
- PROFILE Page 4
- | ELECTRIC Page 5-7
- HAND DRAWN Page 8

Curtain Information Page 9-16

Motors Page 17-22

Controls Page 23-26

Electrical installations must be carried out by qualified professionals in accordance with the relevant wiring diagrams and local regulations.

THE **BRADLEY** COLLECTION

SOMFY

TRACK CONFIGURATIONS

Systems are manufactured to suit individual requirements. When calculating the length of your system, remember to allow sufficient tolerance beyond the width of the frame to enable curtains to fully draw back to the edge of the window.

Systems exceeding the recommended maximum distance between brackets will be supplied in equal sections unless otherwise specified. Joiners will be included, and joining brackets should be installed at each joint.



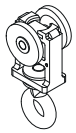
Motor Type	Maximum system length *Single Stack ▸*	Maximum system length *Pair Stack ▸|◂*
Glydea Ultra 60e	12000mm (39')	12000mm (39')
Irismo 45WF	10000mm (32.5')	10000mm (32.5')
Movelite 35	10000mm (32.5')	10000mm (32.5')
Movelite 35WF	6000mm (20')	6000mm (20')

HAND DRAWN

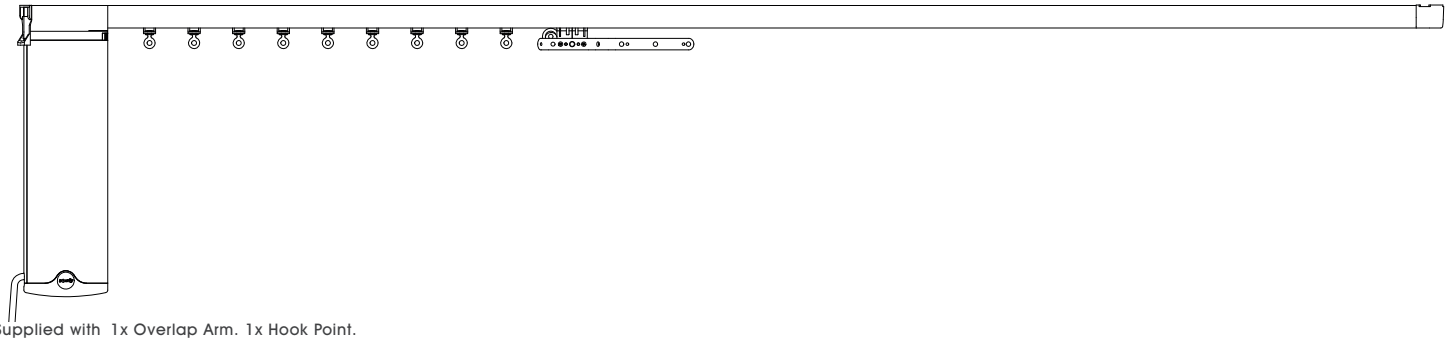
For windows or double treatments where motorisation is not required, hand drawn options are available.

ROLLERS

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

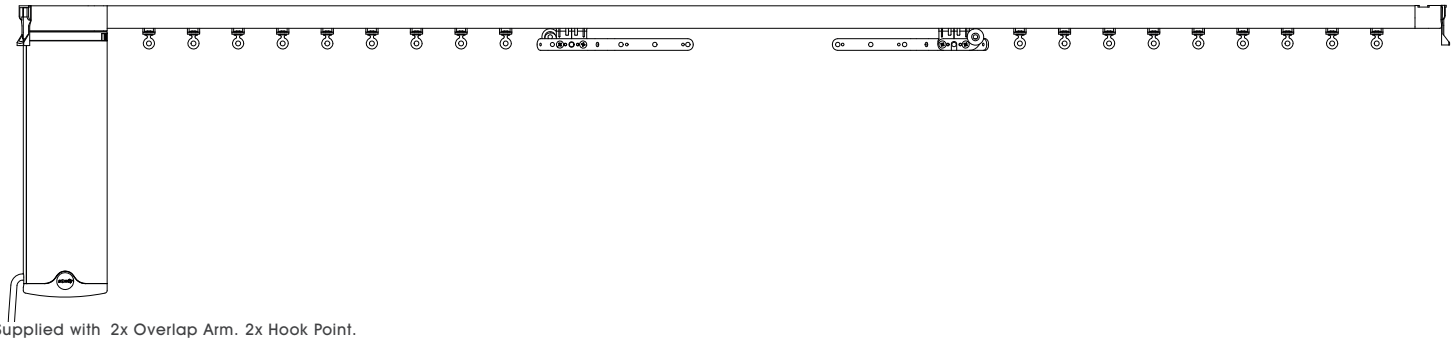


SINGLE STACK ▶



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

PAIR STACK ▶|◀

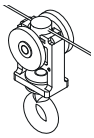


Supplied with 2x Overlap Arm. 2x Hook Point.

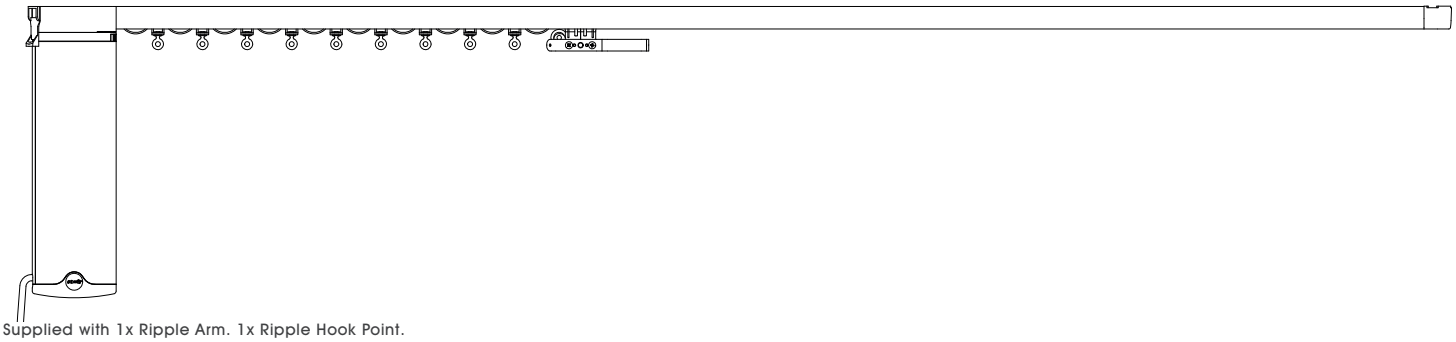
For Specification info on Overlap arms and Hook Points see page14.

RIPPLE ROLLERS

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

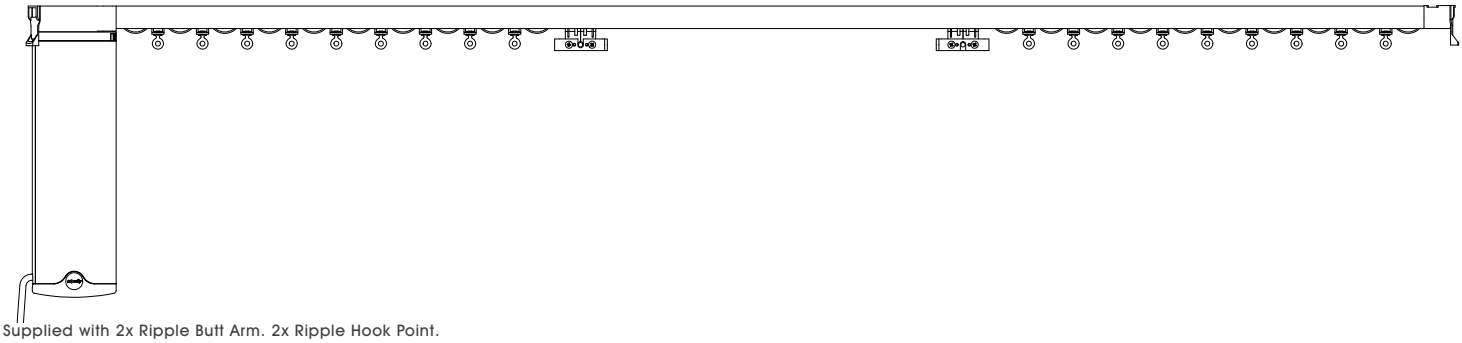


SINGLE STACK ▶



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

PAIR STACK ▶|◀

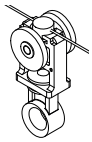


Supplied with 2x Ripple Butt Arm. 2x Ripple Hook Point.

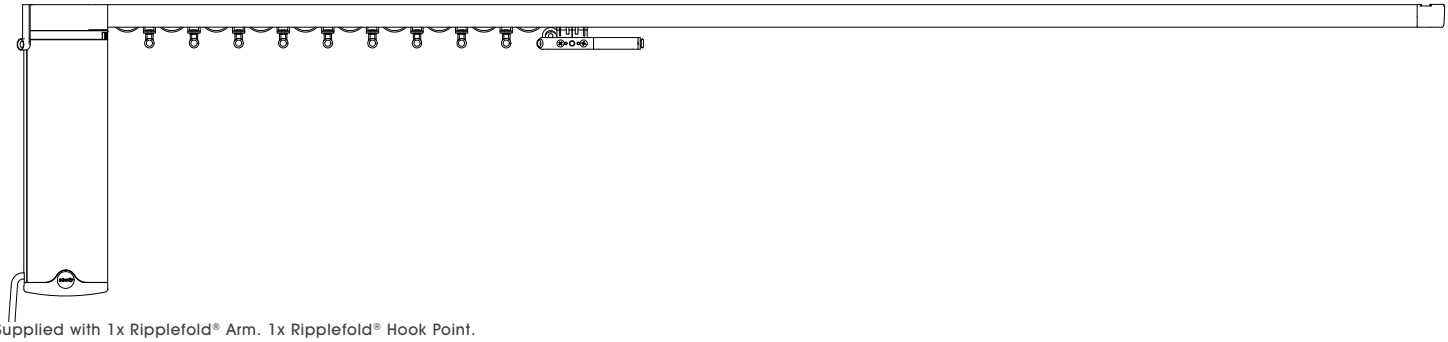
For Specification info on Ripple arms and Hook Points see page15

RIPPLEFOLD® ROLLERS

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

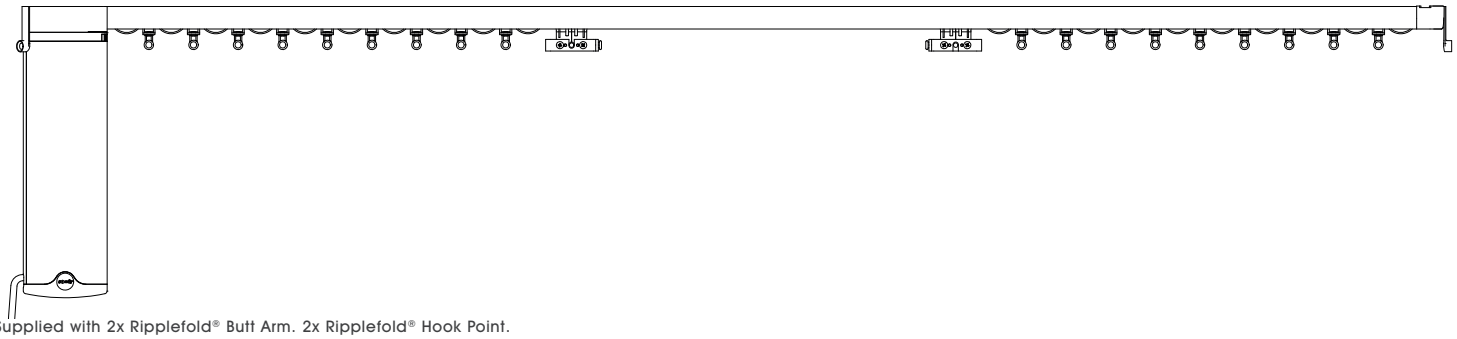


SINGLE STACK ▶



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

PAIR STACK ▶|◀

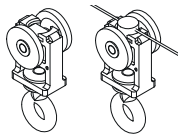


Supplied with 2x Ripplefold® Butt Arm. 2x Ripplefold® Hook Point.

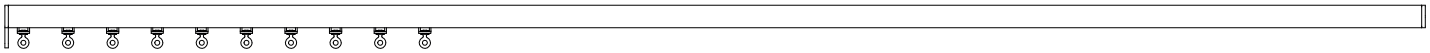
For Specification info on Ripplefold® arms and Hook Points see page15

ROLLERS, RIPPLE ROLLERS

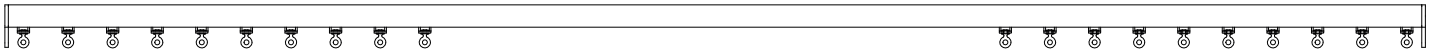
Systems ordered with Rollers, Ripple Rollers will be supplied as per the diagrams below.



SINGLE STACK ▶

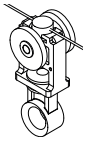


PAIR STACK ▶|◀

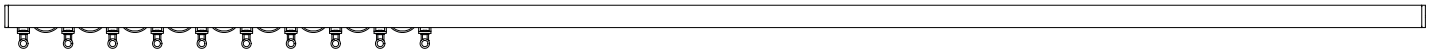


RIPPLEFOLD® ROLLERS

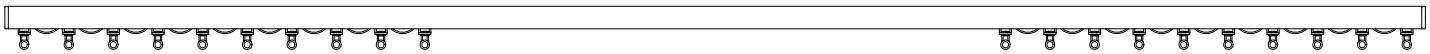
Systems ordered with Rollers, Ripple & Ripplefold® Rollers will be supplied as per the diagrams below.



SINGLE STACK ▶



PAIR STACK ▶|◀



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CURTAIN INFORMATION

STACKING OPTIONS

For electric systems, stacking configuration must be specified at the point of order, as it is set during assembly.

S-Fold & Ripplefold® curtains require stack type *(single or pair)* **to be confirmed when ordering, as this determines the number of rollers supplied.**

SINGLE MOTOR - *Single Stack* ▶

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



SINGLE MOTOR - *Pair Stack* ▶|◀

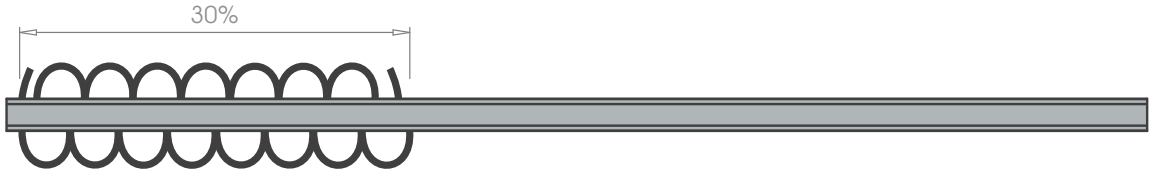
Pair stack curtains can have the motor positioned at either end of the pole. Curtain panels must be equal in length.



STACK SIZES

The stack area is the space where curtains gather when fully open. Positioning the stack over the wall, rather than the glazing, allows more natural light into the room during the day. As a guideline, allow approximately 30% of the track length for curtain stacking. Fuller curtain styles (e.g. pencil pleat) and lined or interlined fabrics will require additional space.

SINGLE STACK ▶



PAIR STACK ▶|◀

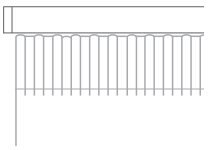


STANDARD HEADINGS

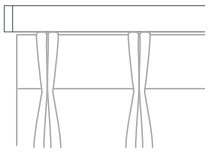
Standard rollers will be supplied every 100mm (4") unless otherwise specified.

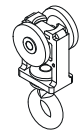
Rollers can be loaded and removed from either end of the track after assembly by removal of the spring stop or return cover as shown.

STANDARD
Fullness 1.5



PINCH PLEAT
Fullness 2.0



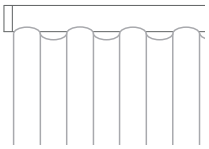


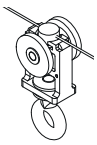
ROLLERS
Rollers are preferred for heavy drapery.
One roller is specified for every 100mm (4").

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 track, 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 track*	Min Bracket Projection
60mm (2 3/8")	120mm (4 3/4")	2.3	270mm (10 5/8")	100mm (4")
80mm (3 1/8")	160mm (6 5/16")	2.3	180mm (7 1/16")	100mm (4")

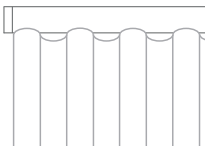
RIPPLEFOLD® HEADING

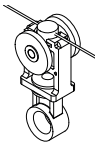
Ripplefold® is named for the soft, consistent wave pattern formed as the drapery hangs from the track, offering a clean and contemporary aesthetic.

Drapery is constructed using snap tape (Graber® required), allowing it to attach directly to the auxiliary carriers within the track.

Fullness is determined by carrier spacing. Higher fullness factors create a more luxurious appearance. Lutron® Ripplefold® systems are available in three fullness options.

RIPPLEFOLD®





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

	Roller-Cord Spacing	Curtain Fullness	Stack Depth *per 1M (39 3/8") of track*	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 track to 3.0 x track width.

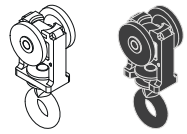
The chart below assumes 100% fullness (2.0 x width of the track) the weights are approximate values and can vary for many reasons. Always check the expected and final total curtain weight with the curtain maker. Based on 1200mm (48") fabric width

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)	2.5kg (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 (14.8 lb)	8.8kg (19.4lb)	11kg (24.3lb)	13.2kg (29.1lb)
	3m (10')	2.9kg (6.5lb)	5.9kg (12.9lb)	8.8kg (19.4lb)	11.8kg (26lb)	14.7kg (32.2lb)	17.6kg (39lb)

MAXIMUM WEIGHTS

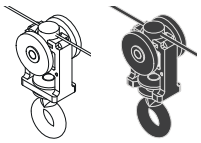
Maximum weight recommendations for all standard curtain types using roller are defined to ensure safe and proper function of the electric system. These must be adhered to. See table below for details of all options.

ROLLERS



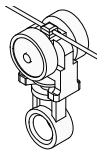
One roller is specified for every 100mm (4")

RIPPLE ROLLERS



Rollers spacing options 80mm (3 1/8")

RIPPLEFOLD® ROLLERS



Fullness options
80% • 100% • 120%
(for roller spacing see page 10)

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

GLYDEA ULTRA 60E MOTOR

WT • RTS

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)	NOT SUITABLE FOR USE WITH BENT OR CURVED TRACKS	35kg (77lb)
6m (19.5')	60kg (132lb)	45kg (99lb)	35kg (77lb)		35kg (77lb)
10m (33') *[Curve Max 8m (26')]*	60kg (132lb)	45kg (99lb)	25kg (55lb)		[25kg (55lb)]
12m (39')	55kg (121.2lb)	35kg (77lb)	—		—

IRISMO 45 WF MOTOR

RTS

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)	NOT SUITABLE FOR USE WITH BENT OR CURVED TRACKS	35kg (77lb)
6m (19.5')	45kg (99lb)	45kg (99lb)	30kg (66lb)		10kg (22lb)
10m (33')	45kg (99lb)	35kg (77lb)	20kg (44lb)		

MOVELITE 35 MOTOR

WT • RTS

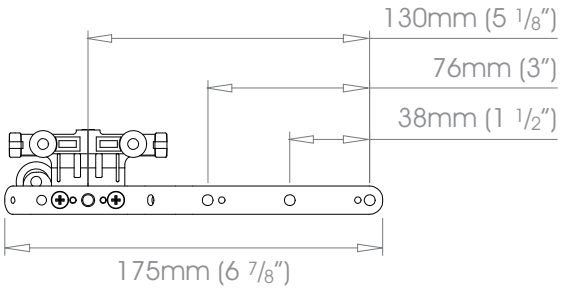
System Width *Single Stack ▸ / Pair Stack ▸|◂*	Straight	1 Bend Bay	2 Bend Bay	4 Bend Bay	Curved Bay
3m (10')	35kg (77lb)	35kg (77lb)	15kg (33lb)	NOT SUITABLE FOR USE WITH BENT OR CURVED TRACKS	35kg (77lb)
6m (19.5')	35kg (77lb)	25kg (55lb)	10kg (22lb)		10kg (22lb)
10m (33')	35kg (77lb)	20kg (44lb)			

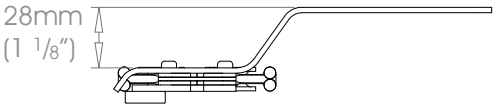
MOVELITE 35 WF MOTOR

RTS

System Width *Single Stack ▸ / Pair Stack ▸|◂*	Straight	1 Bend Bay	2 Bend Bay	4 Bend Bay	Curved Bay
3m (10')	35kg (77lb)	UNSUITABLE FOR USE WITH BENT OR CURVED TRACKS			
6m (19.5')	35kg (77lb)				

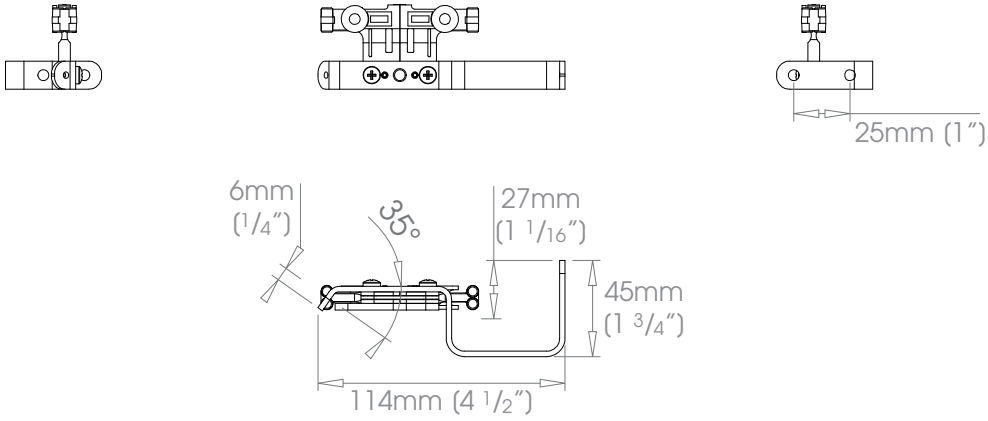
STANDARD OVERLAP ARM





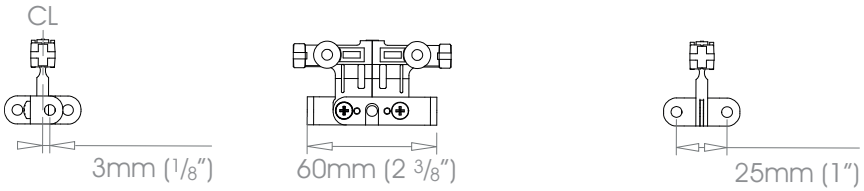
Supplied as standard on Single & Pair Stack Systems with Rollers

RIPPLE ARM - *Single Stack* ▶



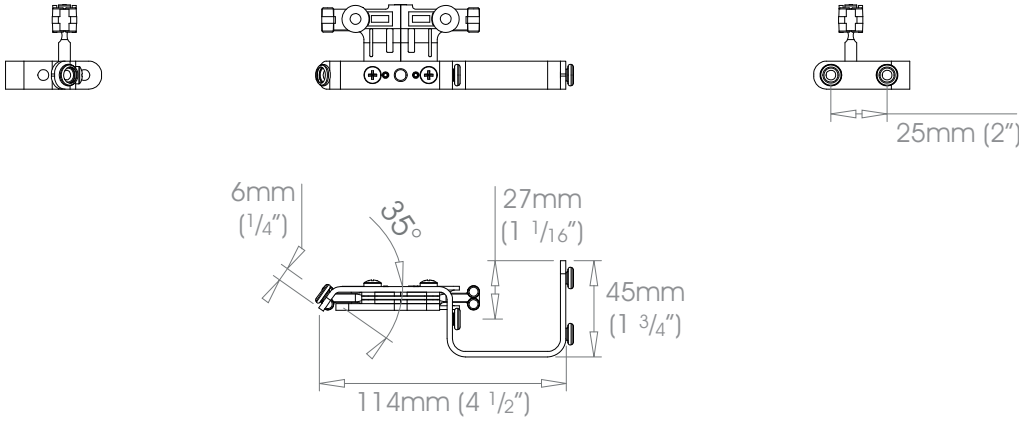
Supplied on single stack systems with Ripple Rollers

RIPPLE BUTT ARM - *Pair Stack* ▶|◀



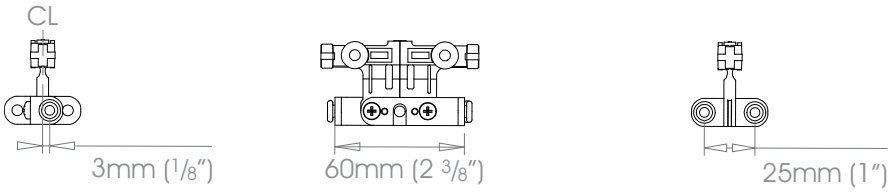
Supplied on pair stack systems with Ripple Rollers

RIPPLEFOLD® ARM - *Single Stack* ▶



Supplied on single stack systems with Ripplefold® Rollers

RIPPLEFOLD® BUTT ARM - *Pair Stack* ▶|◀



Supplied on pair stack systems with Ripplefold® Rollers

SOMFY

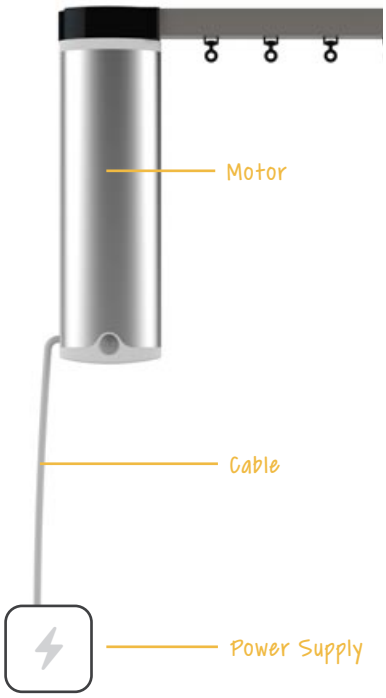
MOTOR POSITIONING

The mains-powered motor must be positioned on the same side of the window as the power supply.

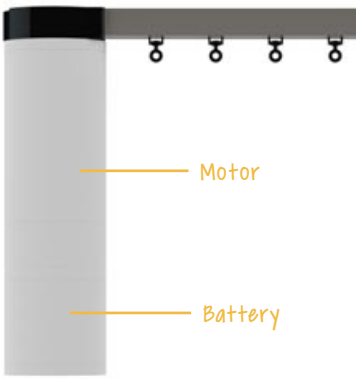
Wiring diagrams are available upon request.

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

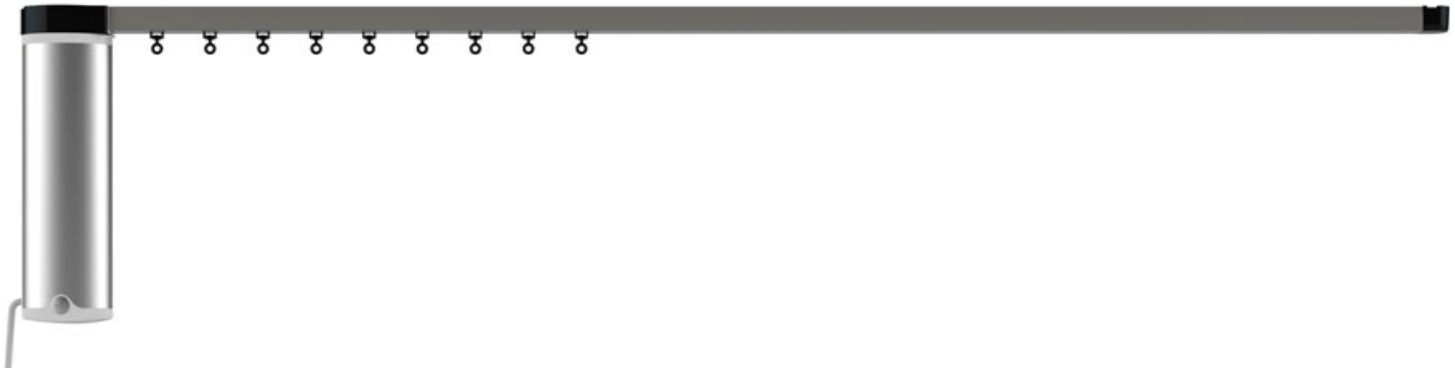
MAINS POWERED SYSTEMS



BATTERY POWERED SYSTEMS
SOMFY® MOVELITE & IRISMO ONLY



LEFT HAND MOTOR



RIGHT HAND MOTOR



GLYDEA ULTRA 60E MOTOR WT • 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, RTS , Zigbee 3.0 *(via module)*
WT Motor	4 core cable Mains switching Controlled with automation systems or 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 Compatible with Situo remote controls and TaHoma Switch
Zigbee 3.0	Module available, Compatible with Ysia remote controls and TaHoma Switch



MOTOR FEATURES	Glydea Ultra 60e WT	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	✗	✓
Zigbee Integration	✓	✓

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 lasts 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
	Compatible with Situo remote controls and TaHoma Switch



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	✓
Zigbee Integration	✗

MOVELITE 35 MOTOR WT • 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, RTS

WT Motor	4 core cable Mains switching Controlled with automation systems or 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 Compatible with Situo remote controls and TaHoma Switch



MOTOR FEATURES	Movelite 35 WT	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	✗	✓
Zigbee Integration	✗	✗

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 lasts 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
	Compatible with Situo remote controls and TaHoma Switch



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	✓
Zigbee Integration	✗

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.

Compatible with RTS and Zigbee Options



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.

Compatible with RTS and Zigbee Options



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 specialists





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
Control	RTS
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
Control	RTS
Range	200m in open field or 20m through 2 reinforce concrete walls
Colour	White
Misc	Wall holder included

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Compatible with Glydea Ultra 60e motor with Zigbee module

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.

YSIA 1 ZIGBEE - Single Channel Remote

Size	135 x 42 x 17 mm
Battery Type	2X AAA
Channel	1
Frequency	2.4 GHz
Control	Zigbee 3.0
Range	50m in open field
Colour	White
Misc	Wall holder included

YSIA 5 ZIGBEE - Multi Channel Remote

Size	135 x 42 x 17 mm
Battery Type	2X AAA
Channel	5
Frequency	2.4 GHz
Control	Zigbee 3.0
Range	50m in open field
Colour	White
Misc	Wall holder included

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Requires the motor to either have RTS built in or RTS module through a control system.
Compatible with Glydea Ultra 60e motor with Zigbee module

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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Supporting the interior design profession

CEDIA MEMBER

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