

GRABER®



Graber Z-Wave English US Price Guide

Z-WAVE MOTORIZATION

Product Information Guide

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GRABER®

DECEMBER 2021

Features

Motorized Blind and Shade Features

Refer to individual product information guide for specific option for the product being ordered. See price charts for pricing.

Z-Wave Radio Frequency (RF) Features

Graber® Z-Wave motorized shades feature advanced radio technology which provides reliable, effortless operation of window coverings. The radio technology utilized is Z-Wave which is supported by an alliance of countless smart home products and home automation providers making integration simple and inexpensive. Graber Z-Wave motorized shades are quiet, simple to install and adjust, and simple to operate. These automated shades also feature:

Refer to individual product information guide for specific option for the product being ordered.

Z-Wave Radio Frequency Features

- Easily control shades via mobile app with the Graber Motorization App and Gateway or via integration with Z-Wave home automation systems
- Conveniently operated from virtually anywhere in the home, up to 65 feet
- Efficiently manages energy (heat gain and loss)
- A Safer alternative to accessible cords; ideal for homes with children and pets
- Provides easy operation for hard to reach or large windows
- Easily integrate with home automation and voice control devices

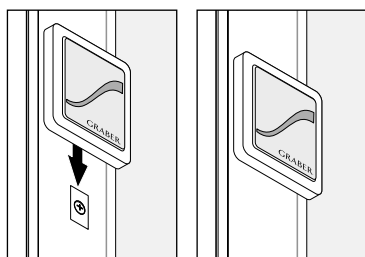


Z-Wave Radio Frequency Features

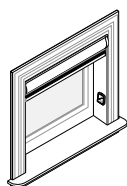
- Simple, intuitive control by means of the unique Z-Wave Standard Remote (not available with Sheer & Layered)
 - Z-Wave Plus Remote (single channel) or Z-Wave Premium Remote (multiple channel) also available to control shades individually or in a group
 - LED feedback on controls to simplify operation and programming
 - Low voltage motorization; no costly electrical hardwiring required
 - Powered with batteries, or multi-motor power supply or plug-in transformer, or multi-motor power
 - See Z-Wave options section for additional control and power availability

Control Options Available

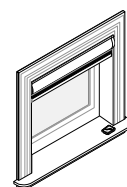
- Z-Wave Standard Remote: simple, convenient control at the window shade location or control across the room



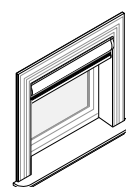
Z-Wave Standard Remote



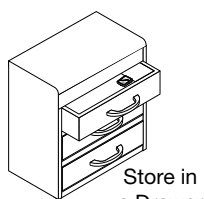
Attached to the Window Molding



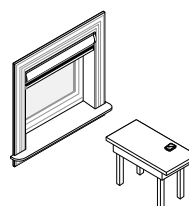
Attached to the Window Sill



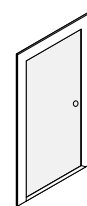
Attached to the Wall



Store in a Drawer



On a Table



Mounted by the Door

- Graber Motorization App and Gateway: convenient and easy to use app allows for mobile control of Z-Wave shades.

- Control individual shades
- Create routines to control multiple shades with the ability to set timers
- Set and control a favorite position, shade limits, and roll direction



- Z-Wave plus remote: control can be conveniently mounted or placed on a table and controlled from anywhere in the room

- One channel
- Create group shade control
- Set and control an intermediate position (home)



Z-Wave Plus Remote

- Z-Wave premium remote: control can be conveniently mounted or placed on a table and controlled from anywhere in the room

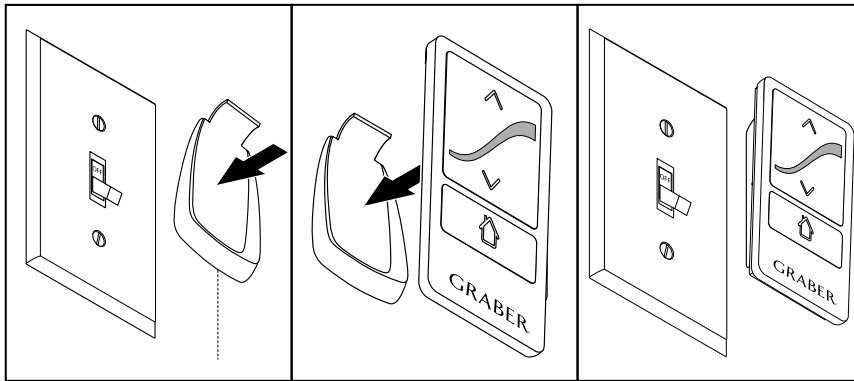
- 12 channels
- Individual shade control
- Create group shade control
- Set and control an intermediate position (home)



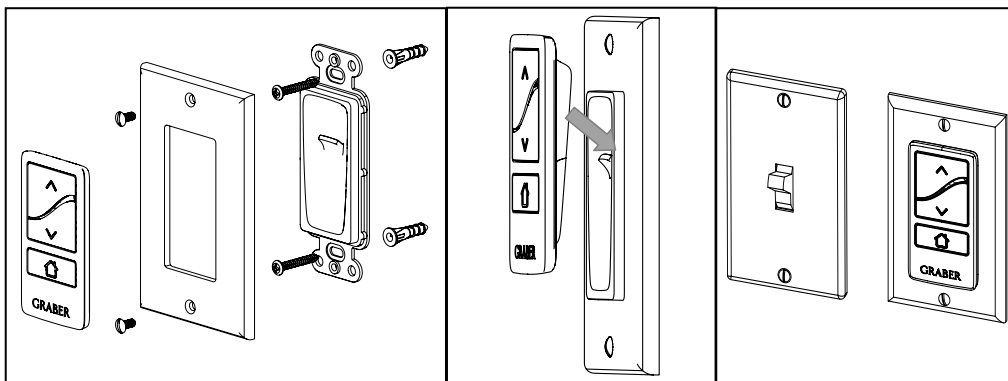
Z-Wave Premium Remote

Features

Single-Channel Remote Mounting Options

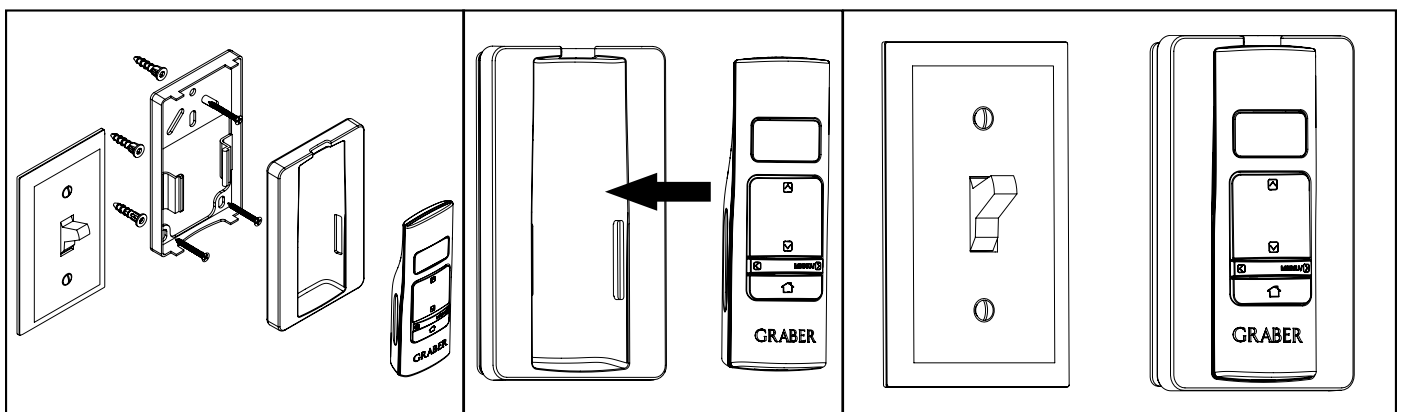


Z-Wave Plus Remote



Optional Decorator Wall Plate Mount
(see Z-Wave options for details)

Multi-Channel Remote Mounting Options

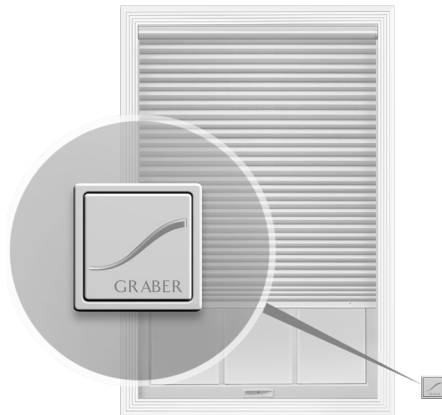


Z-Wave Premium Remote

Size Considerations

CrystalPleat® Cellular Shades Motorized Lift

Order Entry: 12V Z-Wave Motor



Refer to individual product information guide for specific option for the product being ordered.

See page 2 for benefits of using Z-Wave Motorization.

Product Specifications

- Motor located on right side within headrail
- Available as corner and bay window application
- Available with Wood Cornice and Valance
- Available with reversible fabric at time of order
- Available with lightblocking strip
- Rail colors can be specified at time of order
- Not available with bottom up/top down, top down continuous-loop, sun up/sun down, combination shades, SkyTrack™ Skylight, specialty shapes or multiple shades on one headrail
- Not available with hold down brackets, side mount brackets or room-darkening side channels

Control and Power Options

- Multiple control and power options available; see Z-Wave options for availability

NOTE: Motorization components and accessories have a five-year limited warranty, excluding batteries.

Cellular Fabric Styles	Maximum Shade Size (square inches)
½" Double Cell Sanctuary	10,000
1¼" Single Cell Sanctuary	
1¼" Single Cell Valletta	
¾" Single Cell Couture Light Filtering, Couture Blackout, Sanctuary, Enchantment Blackout, Infuse Blackout, Kinsley Light Filtering, Kinsley Blackout, Montage Blackout, Prestige Blackout, Infuse Light Filtering, and Scroll FR	12,500
½" Double Cell Splendor	
¾" Single Cell Discovery	
1¼" Single Cell Splendor	14,000
¾" Single Cell Valletta	
¾" Single Cell Enchantment Light Filtering, Montage Light Filtering, Prestige Light Filtering, and Splendor	17,000
¾" Single Cell Endeavor	
All other fabrics	20,800**

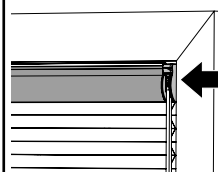
Z-Wave Size Considerations	Minimum Width* (inches)	Maximum Width (inches)	Minimum Height (inches)	Maximum Height (inches)
Cellular Shades	20	144*	9	144 *

*This is the shade size maximum limit for this motor type, shades size limit may be smaller based on specific fabric type.

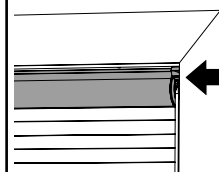
**Available up to 144"W x 144"H

NOTE: For all inside mount applications, ⅜" deduction is taken by manufacturer on overall width.

Cell Size	Headrail Dimensions (inches)	Minimum Depth Mount (inches)	Flush with Casing (inches)
¾" single cell ½" double cell	1⅞ x 2⅝	5⅞	2⅝
¾" single cell	1⅞ x 2⅝	5⅞	2⅝
1¼" Single Cell	1⅞ x 3⅞	1⅞	3⅞



Partially recessed headrail in window casing/ molding.



Fully recessed headrail in window casing/ molding.

Size Considerations

Pleated Shades Motorized Lift



Refer to individual product information guide for specific option for the product being ordered.

See page 2 for benefits of using Z-Wave Motorization.

Product Specifications

- Motor located on right side within headrail
- Available as corner and bay window application
- Available with Wood Cornice and Valance
- Available with Dayliner or Midnight liner
- Available with lightblocking strip
- Rail colors can be specified at time of order
- Not available with bottom up/top down, sun up/sun down, combination shades, SkyTrack™ Skylight, specialty shapes or multiple shades on one headrail
- Not available with hold down brackets, side mount brackets or room-darkening side channels

Control and Power Options

- Multiple control and power options available; see Z-Wave options for availability

NOTE: Motorization components and accessories have a five-year limited warranty, excluding batteries.

Z-Wave Size Considerations	Minimum Width* (inches)	Maximum Width (inches)	Minimum Height (inches)	Maximum Height (inches)
1" FashionPleat®	20	144*†	9	96
1" EvenPleat®	20	120*†	6	96
2" EvenPleat	20	144*†	12	144*

*This is the shade size maximum limit for this motor type, shades size limit may be smaller based on specific fabric type.

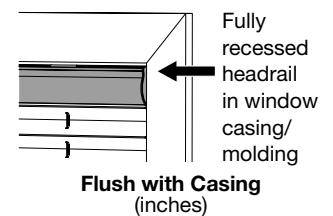
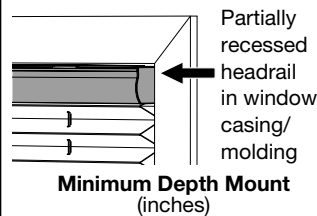
†Based on fabric width with overlaps.

*For all inside mount applications, 3/8" deduction is taken by manufacturer on overall width.

Pleated Fabric Styles	Maximum Shade Size (square inches)
2" Crossweave, Debonair, Desert, Grasscloth, and Serendipity	10,000
1" Debonair, Desert, Eloquence, Grasscloth, Serendipity, and Tuvalu	12,500
2" Geneva	
1" Allure, Geneva, Imperial, Marquis, Muse, Prism, and Sheer Line	14,000
2" Marquis, Prism, Sheer Linen, and Black Out liner only shades	
1" Privacy Liner only shades	17,000
2" Black Out and Privacy Liner only shades	

Depth Requirements for Inside Mount: Motorized Lift

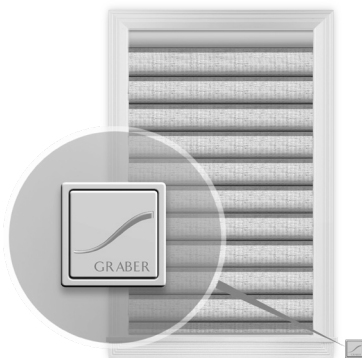
Shade Type	Headrail Dimensions (inches)	Minimum Depth Mount (inches)	Flush with Casing (inches)
1" Pleat	1 19/16 x 2 3/8	5/8	2 3/8
2" Pleat	1 19/16 x 2 1/8	5/8	2 3/8



Size Considerations

Fresco® Roman Shades Motorized Lift

Order Entry: 12V Z-Wave Motor



Refer to individual product information guide for specific option for the product being ordered.

See page 2 for benefits of using Z-Wave Motorization.

Product Specifications

- Motor located on right side within headrail
- Available with both flat and looped styles
- Available as corner and bay window application
- Available with fabric valances and fabric valance trims
- Not available with bottom up/top down or multiple shades on one headrail
- Not available with hold down brackets or side mount brackets

Control and Power Options

- Multiple control and power options available; see Z-Wave options for availability

NOTE: Motorization components and accessories have a five-year limited warranty, excluding batteries.

Roman Size Considerations	Minimum Width* (inches)	Maximum Width (inches)	Minimum Height (inches)	Maximum Height (inches)
Roman Shades: Classic Flat or Looped	20	76†	18	96

*For all inside mount applications, 3/8" deduction is taken by manufacturer on overall width.

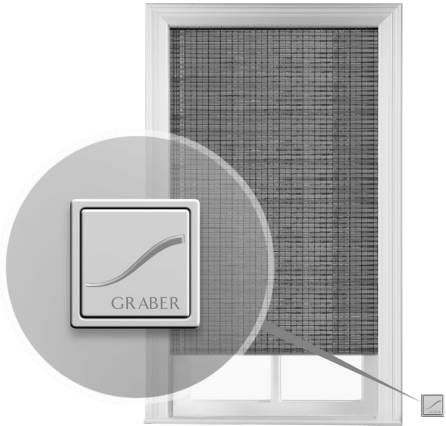
†Based on fabric width.

Lift Option and Shade Style	Headrail Dimensions (inches)	 Partially recessed headrail in window casing/molding Minimum Depth Mount (inches)	 Fully recessed headrail in window casing/molding Flush with Casing (inches)
Motorized Lift: Flat	1½ x 2	½	2 1/8
Motorized Lift: Looped	1½ x 2	½ (fabric loops will overhang approximately 3" into the room)	2½ (fabric loops will overhang approximately 3" into the room)

Size Considerations

Tradewinds® Natural Shades Motorized Lift

Order Entry: 12V Z-Wave Motor



Refer to individual product information guide for specific option for the product being ordered.

See page 2 for benefits of using Z-Wave Motorization.

Product Specifications

- Motor located on underside of hardwood headrail on right side
- Available with Standard Roman and Old Stle Roman styles
- Available with multiple shades on one headrail; each panel will have a motor and power source and there will be ½" gap between panels
- Available with 9" standard valance, 9" premiere valance, or 9" deco-trim valance
- Available with: fabric edge banding, hem options, privacy and room-darkening liners
- Available with deco-trim hems and accent gimp
- Available as corner and bay window application
- Available with Wood Cornice and Valance
- Not available with bottom up/top down, cut outs, turned headrail or specialty shapes
- Not available with hold down brackets or side mount brackets

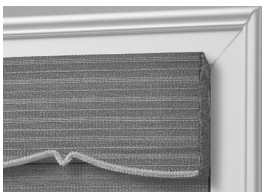
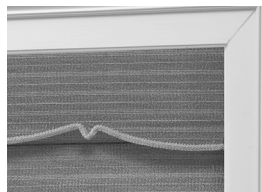
Control and Power Options

- Multiple control and power options available; see Z-Wave options for availability

NOTE: Motorization components and accessories have a five-year limited warranty, excluding batteries.

Natural Shades Size Considerations

Style	Minimum Width (inches)	Maximum Size	
		Shade (square inches)	With Liner (square inches)
Inan, Moniz, Lipo, Revelry, Serenity, Toushan II	18	2,755	2,333
Denver, Brooklyn, Statside	18	4,493	3,466
Bellamy, Chencun	18	5,194	3,878
Amour, Boardwalk, Merino, Sarto	18	6,058	4,330
Beachfront, Freda, Hadley, Kelton, Madeira, Meilin, Oxford, Paralian	18	6,854	4,723
Cameron, Havana, Isadora, Purcell, Rowen, Saterra, Selene, Ventura, Tatum, Terrestrial, Zishan	18	9,149	5,712

Headrail Dimensions (inches)	 Partially recessed valance in window casing/molding Minimum Depth Mount (inches)	 Fully recessed valance in window casing/molding Flush with Casing (inches)
5/8 x 2 1/4	3/4	Standard valance 3 3/16

Size Considerations

Artisan Roman Shades Motorized Lift

Order Entry: 12V Z-Wave Motor



Refer to individual product information guide for specific option for the product being ordered.

See page 2 for benefits of using Z-Wave Motorization.

Product Specifications

- Motor located on underside of hardwood headrail on right side
- Fabric wrapped headrail for a beautifully finished look; returns are standard on outside mount shades
- Available as pleat styles: Looped, Classic Flat, Seamless, or Relaxed
- Available with Liner styles: Standard, Water Repellent, Thermal, Flannel-back
- Available finishing options: Inset banding, edge banding, decorative tape
- Not available with multiple shades on one headrail, bottom up/top down, turned headrail, balloon shade or blackout lining
- Not available with hold down brackets or side mount brackets

Control and Power Options

- Multiple control and power options available; see Z-Wave options for availability

NOTE: Motorization components and accessories have a five-year limited warranty, excluding batteries.

Artisan Roman Shades Size Considerations

Width		Length	
Minimum (inches)	Maximum (inches)	Minimum (inches)	Maximum (inches)
24	96	18	Classic Flat, Seamless and Relaxed – 120, Looped – 103

Motorized Maximum Shade Area in Square Inches

Shade Group	Standard or Water Repellent (square inches)	Thermal (square inches)	Flannel-Back (square inches)
1	6,800	6,010	5,300
2	5,612	4,958	4,600
3	4,758	4,338	4,000
4	3,894	3,812	3,400
5	3,318	3,230	2,840
6	N/A	N/A	N/A

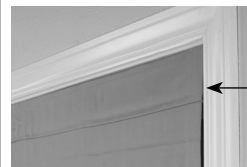
NOTE: Area is ordered width x ordered height in square inches.

EXAMPLE: 60" wide x 84" high = 5,040 square inches.

Headrail Dimensions (inches)	Minimum Depth Mount (inches)	Flush with Casing (inches)
2¼ D x ⅝ L	¾	2⅝



Partially recessed headrail in window casing/molding

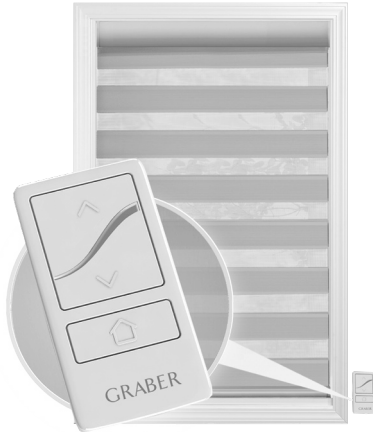


Fully recessed headrail in window casing/molding

Size Considerations

Mezzanine Layered Shades Motorized Lift

Order Entry: 12V Z-Wave Motor



Refer to individual product information guide for specific option for the product being ordered.

See page 2 for benefits of using Z-Wave Motorization.

Product Specifications

- Motor located on right or left side; standard is on right
- Fabric wrapped cassette standard and creates a cohesive appearance in the window
- Static-guard is necessary during dry conditions to prevent static build up
- Available as corner and bay window application
- Not available with hold down brackets or side mount brackets
- Not available with Wood Cornice or Valance

Control and Power Options

- Multiple control and power options available; see Z-Wave options for availability

NOTE: Motorization components and accessories have a five-year limited warranty, excluding batteries.

Light Gap

The fabric width is narrower than the finished shade width of the tube and its components. See chart below for light gap.

Motor End		Idle End	
Inside Mount (inches)	Outside Mount (inches)	Inside Mount (inches)	Outside Mount (inches)
$\frac{1}{16}$	1	$\frac{3}{4}$	$\frac{1}{16}$

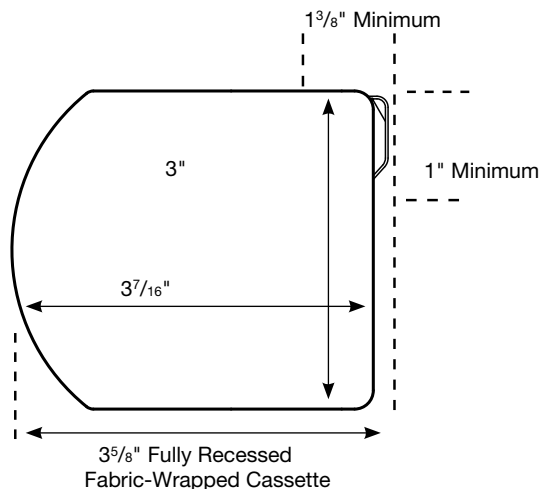
Layered Shades Size Considerations

Style Name	Maximum Width* (inches)	Maximum Height* (inches)
Aravalli	96	52
Bernina	96	110
Cordillera	85	75
Crestones	97	84
Culebra	95	110
Glorieta	98	110
Glorieta Sheen	98	110
Herard	97	77
Vanoise	91	95
Venado	85	75

Minimum width: 16".

Minimum length: 12".

*If the height is shorter than the maximum, a slightly larger width may be available to order. Maximum width is 102".



Minimum Mounting Depth	$1\frac{3}{8}$ "
Minimum Mounting Depth, Flush Mount	$3\frac{5}{8}$ "

Size Considerations

Overture Sheer Shades Motorized Lift

Order Entry: 12V Z-Wave Motor



Refer to individual product information guide for specific option for the product being ordered.

See page 2 for benefits of using Z-Wave Motorization.

Features

- Motor located on right or left side; standard is on right
- Fabric wrapped cassette standard and creates a cohesive appearance in the window
- Available as corner and bay window application
- Not available with hold down brackets or side mount brackets
- Not available with Wood Cornice or Valance

Control and Power Options

- Multiple control and power options available; see Z-Wave options for availability

NOTE: Motorization components and accessories have a five-year limited warranty, excluding batteries.

Light Gap

The fabric width is narrower than the finished shade width of the tube and its components. See chart below for light gap.

Motor End		Idle End	
Inside Mount (inches)	Outside Mount (inches)	Inside Mount (inches)	Outside Mount (inches)
1	1 ⁵ / ₁₆	1 ¹ / ₁₆	5 ⁵ / ₈

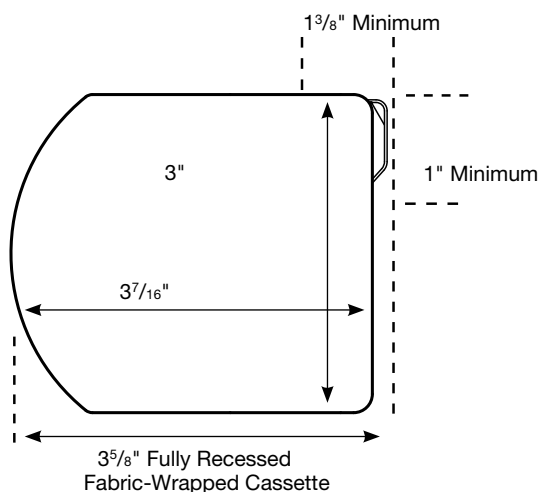
Sheer Shades Size Considerations

Style Name	Maximum Width* (inches)	Maximum Height* (inches)
Glessner 2"	96	105
Glessner Sheen 2"	98	110
Glessner Woven 2"	96	110
Glessner 3"	96	105
Glessner Sheen 3"	98	110
Glessner Woven 3"	96	110
Marisco 2"	94	99
Marisco 2 ³ / ₄ "	94	98
San Simeon 3"	96	65
Roslin	94	75
Winchester	97	87
Winchester Sheen	102	69
Winchester Woven	97	87

Minimum width: 16".

Minimum length: 12".

*If the height is shorter than the maximum, a slightly larger width may be available to order. Maximum width is 102".



Minimum Mounting Depth	1 ³ / ₈ "
Minimum Mounting Depth, Flush Mount	3 ⁵ / ₈ "

Size Considerations

Lightweaves® Roller and Solar Shades Motorized Lift

Order Entry: 12V Z-Wave Motor



Inside Mount Light Gap
Refer to Light Gap Chart

Refer to individual product information guide for specific option for the product being ordered.

See page 2 for benefits of using Z-Wave Motorization.

Product Specifications

- Motor located on right or left side; standard is on right
- Available with standard or reverse roll; reverse roll not available with any valance option
- Available with valance styles: cassette, contour, fascia, wood valance and wood cornice
- Available as corner and bay window application
- Available with fabric rotated 90° (width for height) and seaming
- Available with as Dual Shade (integrates two fabrics that can be independently raised and lowered as needed); each shade requires a power source)
- Available with finishing options: scallops, gimp trim, bead trim
- Available with side and sill channels and pocket
- Not available with hold down brackets

Control and Power Options

- Multiple control and power options available; see Z-Wave options for availability

NOTE: Motorization components and accessories have a five-year limited warranty, excluding batteries.

Inside Mount Light Gap	
Valance Type	Light Gap per Side (inches)
Contour, Fascia, No Valance	$\frac{3}{16}$ to $1\frac{1}{8}$
Cassette – All Sizes	$\frac{3}{16}$ to $1\frac{1}{4}$
Dual – No Cassette	$\frac{3}{16}$ to $\frac{7}{8}$
Dual with Cassette	$\frac{3}{16}$ to 1

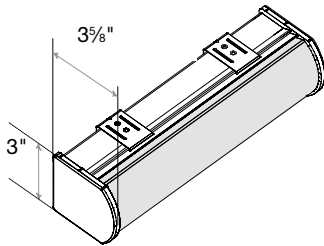
Size Considerations		
Motor Type	Minimum Width (inches)	Minimum Height (inches)
12 Volt	16	13

NOTE: See size charts on following pages.

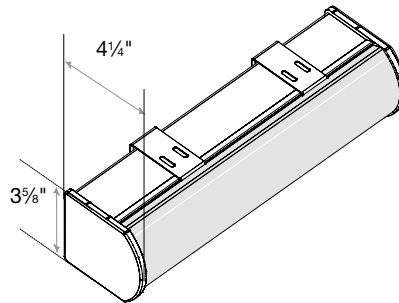
Size Considerations

Motorized Lift, and Dual Shade: Mounting Depth Illustrations

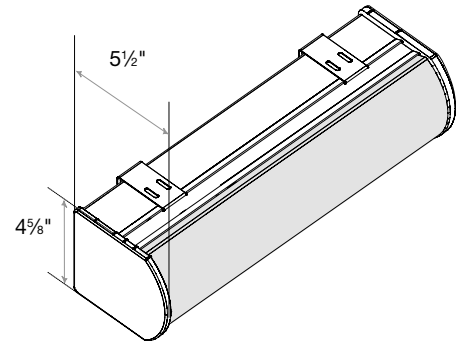
The following diagrams illustrate the mounting depth requirements for shades mounted inside window casements.



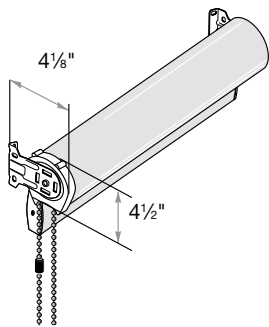
Small Cassette Valance
1 3/8" Minimum Inside Mount



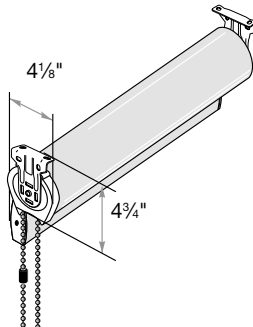
Medium Cassette Valance
1 3/4" Minimum Inside Mount



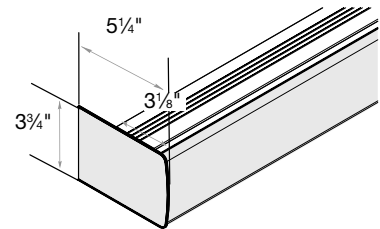
Large/Dual Cassette Valance
1 3/4" Minimum Inside Mount



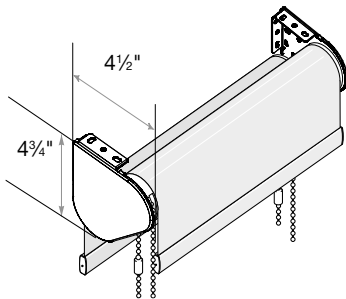
No Valance*
3/4" Minimum Inside/Side Mount



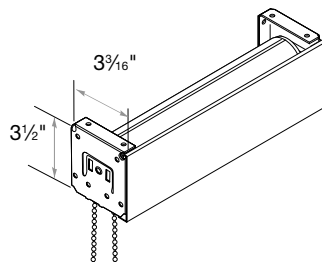
No Valance*
4 1/8" Minimum Inside/Top Mount



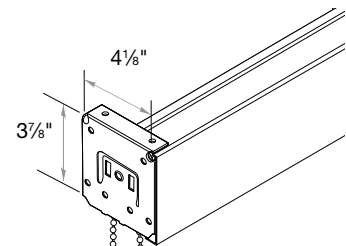
Contour Valance
2 7/16" Minimum Inside Mount
(return can be trimmed)



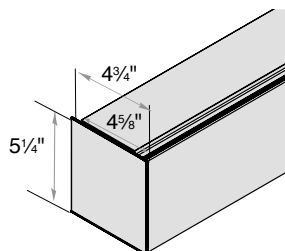
Dual Shade—No Cassette Valance
2" Minimum Inside/Top Mount
3/4" Minimum Inside/Side Mount



3" Fascia
2 3/4" Minimum Inside/Top Mount
3/4" Minimum Inside/Side Mount



4" Fascia
3 3/4" Minimum Inside/Top Mount
1 1/2" Minimum Inside/Side Mount



Flat Valance
2 15/16" Minimum Inside Mount
(return can be trimmed)

12V Z-Wave
Non-rechargeable Motor
Minimum Width: 16"
Minimum Height: 13"

Features and Size Considerations

Lightweaves Roller and Solar Shades: 12-Volt Motor Maximum Shade Size

		Normal Fabric Orientation										Fabric Turned Width for Height (railroaded)																	
		Small Cassette		Medium Cassette		1.5" Brackets Contour Valance/ No Cassette/ No Valance		Large Cassette/ Contour Valance/ No Cassette/ No Valance		3" Fascia		4" Fascia		Small Cassette		Medium Cassette		1.5" Brackets Contour Valance/ No Cassette/ No Valance		Large Cassette/ Contour Valance/ No Cassette/ No Valance		Large Cassette/ Contour Valance/ No Cassette/ No Valance at Maximum Width		3" Fascia		4" Fascia			
Valance Type	Fabric	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)
	Arboretum BO	82	82	92	124	92	124	75	88	92	144	82	131	92	144	82	144	82	144	82	144	82	144	82	144	82	144	82	144
	Arboretum LF	92	119	92	144	92	144	81	94	92	144	92	125	92	144	92	144	92	144	92	144	92	144	92	144	92	144	92	144
	Bradley	72	79	96	89	92	89	72	79	96	144	82	96	96	144	82	96	96	144	82	96	96	144	82	96	96	144	82	96
	Bravado BO	82	76	109	97	74	90	74	90	109	144	87	92	109	144	109	144	87	92	109	144	109	144	87	92	109	144	109	144
	Bravado LF	96	92	109	119	82	90	82	90	109	144	109	81	109	144	109	144	109	81	109	144	109	144	109	144	109	144	109	144
	Broadcast	72	69	109	83	72	69	72	69	116	144	80	94	116	144	80	94	116	144	80	94	116	144	80	94	116	144	80	94
	Buxton	72	70	109	94	72	70	72	70	96	144	81	90	96	144	81	90	96	144	81	90	96	144	81	90	96	144	81	90
	Cambridge LF (Academy; Hawaiian Blue; Mirage; Pond; Vernal)	96	104	109	144	82	102	76	144	119	144	119	144	119	132	119	144	119	144	119	132	119	144	119	144	119	144	119	144
	Cambridge LF (Ivory)	76	144	109	144	76	144	76	144	76	144	76	144	76	132	76	144	76	144	76	132	76	144	76	144	76	144	76	144
	Cambridge LF (White; Off White; Inkwell; Clay; Misty)	92	140	109	144	82	102	82	102	92	144	92	132	92	144	92	144	92	144	92	132	92	144	92	144	92	144	92	144
	Cambridge RD (Academy; Hawaiian Blue; Mirage; Pond; Vernal)	82	88	109	118	75	93	75	93	117	144	110	91	117	144	110	91	117	144	110	91	117	144	110	91	117	144	110	91
	Cambridge RD (Ivory)	76	98	109	144	75	93	75	93	76	144	76	144	76	144	76	144	76	144	76	144	76	144	76	144	76	144	76	144
	Cambridge RD (White; Off White; Inkwell; Clay; Misty)	82	88	109	144	75	93	75	93	92	144	92	100	92	144	92	144	92	100	92	144	92	144	92	144	92	144	92	144
	Capri	70	107	109	144	70	144	70	144	70	144	70	127	70	144	70	144	70	127	70	144	70	144	70	144	70	144	70	144
	Chakra	92	144	109	144	82	137	82	137	92	144	92	144	92	144	92	144	92	144	92	144	92	144	92	144	92	144	92	144
	Chronicles	77	76	109	118	74	80	74	80	96	144	96	81	96	144	96	144	96	81	96	144	96	144	96	144	96	144	96	144
	Complex	72	78	109	90	72	78	72	78	96	144	82	95	82	95	96	144	82	95	96	144	82	95	96	144	82	95	96	144
	Conservancy LF	74	91	109	113	63	97	63	97	115	144	115	80	115	144	100	80	115	144	100	80	115	144	100	80	115	144	100	80

NOTES: Due to continuous manufacturing improvements, minimums and maximums are subject to change. Please call customer service for up to date size considerations. See dual shade section for motorization information.

12V Z-Wave

Non-rechargeable Motor

Minimum Width: 16"

Minimum Height: 13"

Features and Size Considerations

Lightweaves Roller and Solar Shades: 12-Volt Motor Maximum Shade Size

Valance Type		Normal Fabric Orientation										Fabric Turned Width for Height (railroaded)												
		Small Cassette		Medium Cassette		1.5" Brackets Contour Valance/ No Cassette/ No Valance		Large Cassette/ Contour Valance/ No Cassette/ No Valance		3" Fascia		4" Fascia		Small Cassette		Medium Cassette		1.5" Brackets Contour Valance/ No Cassette/ No Valance		Large Cassette/ Contour Valance/ No Cassette/ No Valance		3" Fascia		4" Fascia
Fabric	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)
Conservancy BO	70	65	109	90	59	67	114	115	95	61	114	115												
Consummate Silk	79	83	109	122	74	91	79	144	79	138	79	144												
Debonair	95	87	109	135	80	93	106	144	106	93	106	144												
Delphine BO	80	78	109	105	75	82	109	144	109	72	109	144												
Delphine LF	96	102	109	144	82	100	108	144	108	104	108	144												
Destin BO	77	76	109	104	74	80	113	144	109	72	113	144												
Diplomat	96	90	109	144	81	97	102	144	102	125	102	144												
Dorian	92	118	109	144	82	125	92	144	92	144	92	144												
Earth Synergy	82	82	109	116	75	88	116	144	105	91	116	144												
EcoEncore	97	101	109	144	82	108	100	144	100	144	100	144												
Ellington 1%	75	68	109	100	64	78	124	136	99	71	124	136	75	68	98	100	64	78	127	118	127	118	127	118
Ellington 3%	76	79	109	106	64	92	124	144	106	75	124	144	76	79	100	106	64	92	131	115	106	75	131	115
Ellington 5%	71	64	109	94	59	73	115	117	93	76	115	117												
Emerson	74	84	109	88	73	90	117	144	86	92	117	126												
Empirical	96	98	109	144	82	96	96	144	96	144	96	144												
Emporium (Bookplate White)	94	82	109	144	78	96	96	144	96	106	96	144												
Emporium (Sepia Snapshot)	82	90	109	125	76	90	96	144	96	86	96	144												
Emporium (Silver Dollar, Vintage Letterpress, Sheet Music, Stepping Stone)	82	98	109	125	77	92	96	144	96	86	96	144												
Enviro-INFUSION	82	90	109	125	76	90	96	144	96	86	96	144												
Essential	82	98	109	125	77	92	96	144	96	86	96	144												
Exposition	96	105	109	144	82	103	115	144	115	127	115	144												

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See dual shade section for motorization information.

12V Z-Wave
Non-rechargeable Motor
Minimum Width: 16"
Minimum Height: 13"

Features and Size Considerations

Lightweaves Roller and Solar Shades: 12-Volt Motor Maximum Shade Size

		Normal Fabric Orientation										Fabric Turned Width for Height (railroaded)													
Valance Type	Fabric	Small Cassette		Medium Cassette		1.5" Brackets Contour Valance/ No Cassette/ No Valance		Large Cassette/ Contour Valance/ No Cassette/ No Valance		3" Fascia		4" Fascia		Small Cassette		Medium Cassette		1.5" Brackets Contour Valance/ No Cassette/ No Valance		Large Cassette/ Contour Valance/ No Cassette/ No Valance		3" Fascia		4" Fascia	
		Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)
	Florian	70	105	109	144	70	105	70	144	70	133	70	144	77	78	111	114	74	79	144	134	95	90	144	134
	Freesia	75	67	109	104	73	80	96	144	86	80	96	144	Not available											
	Gallery	92	135	109	144	82	100	92	144	92	120	92	144	Not available											
	Gleam	102	118	109	144	88	110	112	144	112	104	112	144	Not available											
	Grasses	92	140	109	144	82	102	92	144	92	139	92	144	Not available											
	Guildhall	79	90	109	136	70	69	92	144	92	94	92	144	Not available											
	Halifax	72	84	109	128	72	124	72	144	72	99	72	125	Not available											
	Harmonics	72	76	109	102	72	76	96	144	82	92	96	144	Not available											
	Harmony	92	124	109	144	82	90	92	144	92	117	92	144	Not available											
	Jacinta	97	99	112	144	82	105	112	144	112	125	112	144	Not available											
	Kindred	97	101	112	144	82	108	112	144	112	110	112	144	Not available											
	Levity	100	88	112	112	82	126	112	144	97	118	112	144	Not available											
	Linnea	96	144	96	144	88	102	96	144	96	144	96	144	Not available											
	LiveWell	72	77	95	98	72	77	95	144	82	94	95	141	72	77	114	83	72	77	144	79	84	83	144	79
	Manifest BO	82	94	92	144	76	92	92	144	92	124	92	144	Not available											
	Manifest LF	92	144	92	144	82	124	92	144	92	144	92	144	Not available											
	Marina	96	86	108	110	81	95	108	144	95	96	108	144	Not available											
	Mayfair	99	117	107	144	82	144	107	144	107	136	107	144	Not available											
	Merit	76	77	96	118	64	89	96	144	96	81	96	144	Not available											
	Momentum	73	82	94	99	73	82	94	144	82	107	94	143	Not available											
	Manaco	76	144	76	144	76	144	76	144	76	144	76	144	101	66	101	66	86	68	134	63	101	66	134	63
	Monticello	74	69	82	96	72	79	96	144	84	84	96	144	74	69	117	73	72	79	144	80	84	84	144	80
	Nantucket	77	64	85	92	74	79	96	138	88	76	96	144	Not available											
	Nebula	75	58	96	75	63	80	96	144	74	84	96	109	Not available											
	Northshore	95	78	115	117	79	91	115	144	115	80	115	144	Not available											
	Olbrecht	76	76	96	102	64	89	96	144	96	69	96	144	Not available											
	Paragon	78	76	100	105	64	91	116	144	103	80	116	144	Not available											
	Parliament	92	124	92	144	82	130	92	144	92	144	92	144	Not available											
	PlanetSafe	97	97	103	144	82	103	103	144	103	144	103	144	Not available											

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See dual shade section for motorization information.

12V Z-Wave

Non-rechargeable Motor

Minimum Width: 16"

Minimum Height: 13"

Features and Size Considerations

Lightweaves Roller and Solar Shades: 12-Volt Motor Maximum Shade Size

Valance Type		Normal Fabric Orientation												Fabric Turned Width for Height (railroaded)													
		Small Cassette				Medium Cassette				1.5" Brackets Contour Valance/ No Cassette/ No Valance				Large Cassette/ Contour Valance/ No Cassette/ No Valance				3" Fascia				4" Fascia					
		Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)		
Fabric	Plexus 1% (Black Granite; Chalcedony; Nutley Pier; Travertine; Landmark; Niche; Penumbra; Provisions; Renewal; Stately)	71	61	109	78	71	61	116	124	78	87	112	71	61	109	78	71	61	124	115	115	124	114	78	87	134	105
	Plexus 1% (Soapstone; Sublime Gray; Tranquility)	71	63	109	81	71	63	116	128	78	90	117	71	63	109	81	71	63	128	114	114	128	114	78	90	128	114
	Plexus 3% (Black Granite; Chalcedony; Nutley Pier; Travertine; Landmark; Niche; Penumbra; Provisions; Renewal; Stately)	71	64	110	78	71	64	116	130	78	89	112	71	64	110	78	71	64	130	114	114	130	114	78	89	132	112
Plexus 3% (Soapstone; Sublime Gray; Tranquility)	71	67	110	81	71	67	116	136	79	90	117	71	67	110	81	71	67	135	114	114	135	114	79	90	135	114	
Plexus 5% (Black Granite; Chalcedony; Nutley Pier; Travertine; Landmark; Niche; Penumbra; Provisions; Renewal; Stately)	71	67	109	85	71	67	116	136	79	90	123	71	67	109	85	71	67	135	114	114	135	114	79	90	135	114	

NOTES: Due to continuous manufacturing improvements, minimums and maximums are subject to change. Please call customer service for up to date size considerations.
See dual shade section for motorization information.

12V Z-Wave
Non-rechargeable Motor
 Minimum Width: 16"
 Minimum Height: 13"

Features and Size Considerations

Lightweaves Roller and Solar Shades: 12-Volt Motor Maximum Shade Size

Valance Type	Normal Fabric Orientation												Fabric Turned Width for Height (railroaded)															
	Small Cassette				Medium Cassette				1.5" Brackets Contour Valance/ No Cassette/ No Valance				Large Cassette/ Contour Valance/ No Cassette/ No Valance				3" Fascia				4" Fascia							
	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)				
Fabric	72	67	110	84	72	67	116	144	80	91	116	121	72	67	110	84	72	67	140	115	140	115	80	91	140	115		
Plexus 5% (Soapstone; Sublime Gray; Tranquility)	82	52	96	66	65	80	96	139	77	77	96	124	Not available															
Porter	71	57	89	87	58	71	113	117	95	58	113	117	Not available															
Providence BO	74	90	97	105	63	91	115	144	99	81	115	144	Not available															
Providence LF	79	78	102	100	65	94	116	144	109	68	116	144	Not available															
Quintessence	77	76	96	123	74	80	96	144	96	84	96	144	Not available															
Reaction	97	107	115	144	82	114	115	144	115	104	115	144	Not available															
Regent	92	140	92	144	82	102	92	144	92	139	92	144	Not available															
Renaissance	72	78	72	119	72	106	72	144	72	93	72	117	Not available															
Riverbend	73	80	96	117	73	80	96	144	96	80	96	144	Not available															
Sabine	75	58	96	84	63	79	96	144	74	82	96	121	Not available															
SafeSync	67	58	74	85	63	81	97	124	77	69	97	103	Not available															
Sakura	96	98	96	129	82	96	96	144	96	98	96	144	Not available															
Salutation	73	63	78	96	72	70	78	135	78	74	78	142	Not available															
Sanguine	76	124	76	144	76	144	76	144	76	144	76	144	Not available															
Santorini	75	78	111	113	74	79	119	144	99	82	119	144	Not available															
Shadow	96	94	108	133	82	92	108	144	108	91	108	144	Not available															
Sheffield	96	99	115	144	82	97	115	144	115	111	115	144	Not available															
Shiloh	77	68	100	90	64	82	114	144	74	92	114	130	Not available															
Solana BO	72	82	111	102	72	82	124	144	95	78	124	144	72	82	111	102	72	82	144	119	144	119	95	78	144	119		
Standard Weave 1% (Calcite, Polished)	73	79	109	116	73	79	116	144	97	78	116	144	73	79	109	116	73	79	144	123	144	123	97	78	144	123		
Standard Weave 1% (Dakoni, Intallible; Once)																												

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 See dual shade section for motorization information.

12V Z-Wave
Non-rechargeable Motor
Minimum Width: 16"
Minimum Height: 13"

Features and Size Considerations

Lightweaves Roller and Solar Shades: 12-Volt Motor Maximum Shade Size																								
Normal Fabric Orientation												Fabric Turned Width for Height (railroaded)												
Valance Type	Small Cassette		Medium Cassette		1.5" Brackets Contour Valance/ No Cassette/ No Valance		Large Cassette/ Contour Valance/ No Cassette/ No Valance		3" Fascia		4" Fascia		Small Cassette		Medium Cassette		1.5" Brackets Contour Valance/ No Cassette/ No Valance		Large Cassette/ Contour Valance/ No Cassette/ No Valance		3" Fascia		4" Fascia	
	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)
Standard Weave 1% (Veranda; Café Doppio; Chiseled)	72	78	110	102	72	78	124	144	82	94	124	144	72	78	110	102	72	78	144	114	82	94	144	114
Standard Weave 10% (Chiseled; Daikon; Café Doppio; Infalible; Once; Veranda)	77	78	111	118	74	82	116	144	97	88	116	144	77	78	111	118	74	82	144	138	97	88	144	138
Standard Weave 10% (Polished; Calcite)	82	78	113	116	74	89	116	144	101	91	116	144	82	78	113	116	74	89	144	144	101	91	144	144
Standard Weave 3% (Daikon; Infalible; Once)	72	83	111	103	72	83	124	144	96	78	124	144	72	83	111	103	72	83	144	121	96	78	144	121
Standard Weave 3% (Polished; Calcite)	79	71	110	115	73	82	124	144	97	82	124	144	79	71	110	115	73	82	144	129	97	82	144	129
Standard Weave 3% (Veranda; Café Doppio; Chiseled)	72	81	110	106	72	81	124	144	95	77	124	144	72	81	110	106	72	81	144	119	95	77	144	119
Standard Weave 5% (Calcite; Polished)	77	78	111	117	74	82	124	144	100	84	124	144	77	78	111	117	74	82	144	138	100	84	144	138
Standard Weave 5% (Infalible; Once; Daikon)	78	75	111	114	74	79	124	144	100	82	124	144	78	75	111	114	74	79	144	134	100	82	144	134
Standard Weave 5% (Veranda; Café Doppio; Chiseled)	80	70	110	115	73	82	124	144	97	82	124	144	80	70	110	115	73	82	144	129	97	82	144	129

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See dual shade section for motorization information.

12V Z-Wave
Non-rechargeable Motor
Minimum Width: 16"
Minimum Height: 13"

Features and Size Considerations

Lightweaves Roller and Solar Shades: 12-Volt Motor Maximum Shade Size

Valance Type	Normal Fabric Orientation										Fabric Turned Width for Height (railroaded)									
	Small Cassette		Medium Cassette		1.5" Brackets Contour Valance/ No Cassette/ No Valance		3" Fascia		4" Fascia		Small Cassette		Medium Cassette		1.5" Brackets Contour Valance/ No Cassette/ No Valance		Large Cassette/ Contour Valance/ No Valance		3" Fascia	
Fabric	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)
Suburban II	72	144	72	144	72	144	72	144	72	144	100	62	100	62	85	63	144	55	100	62
Synthesis	74	67	82	96	72	80	96	143	72	96	Not available									
Tableaux	74	55	81	82	71	68	96	118	84	65	Not available									
Thesis	70	93	70	142	70	126	70	144	70	111	Not available									
Tuvalu	96	104	106	144	82	102	106	144	106	111	Not available									
Unison	95	78	115	144	79	91	115	144	115	114	Not available									
Vancouver	95	91	114	144	81	90	114	144	114	111	Not available									
Vanguard 1% (Authentic; Chrome, Pendulum; Gentle Beige)	72	82	111	102	72	82	124	144	124	78	72	82	111	102	72	82	144	119	144	78
Vanguard 1% (Cortina; Obsidian)	73	79	109	116	73	79	124	144	124	78	73	79	109	116	73	79	144	123	144	78
Vanguard 1% (Elusive; Macedonia; Dew; Homage; Peloton)	72	78	110	102	72	78	124	144	124	94	72	78	110	102	72	78	144	114	144	94
Vanguard 3% (Authentic; Gentle Beige; Chrome, Pendulum)	79	71	110	115	73	82	124	144	124	82	79	71	110	115	73	82	144	129	144	82
Vanguard 3% (Elusive; Macedonia; Dew; Homage; Peloton)	72	81	110	106	72	81	124	144	124	77	72	81	110	106	72	81	144	119	144	77
Vanguard 3% (Obsidian; Cortina)	72	83	111	103	72	83	124	144	124	78	72	83	111	103	72	83	144	121	144	78
Vanguard 5% (Cortina; Obsidian)	78	75	111	114	74	79	124	144	124	82	78	75	111	114	74	79	144	134	144	82
Vanguard 5% (Elusive; Macedonia; Dew; Homage; Peloton)	80	70	110	115	73	82	124	144	124	82	80	70	110	115	73	82	144	129	144	82

NOTES: Due to continuous manufacturing improvements, minimums and maximums are subject to change. Please call customer service for up to date size considerations.
See dual shade section for motorization information.

12V Z-Wave
Non-rechargeable Motor
 Minimum Width: 16"
 Minimum Height: 13"

Features and Size Considerations

Lightweaves Roller and Solar Shades: 12-Volt Motor Maximum Shade Size																								
Normal Fabric Orientation												Fabric Turned Width for Height (railroaded)												
Valance Type	Small Cassette		Medium Cassette		1.5" Brackets Contour Valance/ No Cassette/ No Valance		Large Cassette/ Contour Valance/ No Cassette/ No Valance		3" Fascia		4" Fascia		Small Cassette		Medium Cassette		1.5" Brackets Contour Valance/ No Cassette/ No Valance		Large Cassette/ Contour Valance/ No Cassette/ No Valance at Maximum Width		3" Fascia		4" Fascia	
	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)	Width (inches)	Height (inches)
Vanguard 5% (Gentle Beige; Pendulum; Authentic; Chrome)	77	78	111	117	74	82	124	144	100	84	124	144	77	78	111	117	74	82	144	138	100	84	144	138
Verve	96	80	116	102	80	96	116	144	95	89	116	144	Not available											
Vivaldi	79	83	79	122	74	91	79	144	79	138	79	144	Not available											
Wayfarer	92	144	92	144	82	143	92	144	92	144	92	144	Not available											
Whitcomb	95	87	108	144	80	93	108	144	108	105	108	144	Not available											
Whitehall	82	92	92	136	76	92	92	144	92	94	92	144	91	80	123	79	84	77	79	144	76	79	123	79
Whittaker BO	82	70	113	90	74	83	113	144	85	96	113	130	Not available											
Zen	82	84	92	118	81	94	92	144	92	100	92	126	Not available											

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 See dual shade section for motorization information.

Features and Size Considerations

This table provides the maximum shade size available by fabric, control type, and valance style. Only the large cassette valance is available for the dual shade. Fabric turned width for height (railroaded) may curl along its edge. This is not a defect in the product. Small and medium cassette valances are not available.

Lightweaves Roller and Solar Shades: Dual Shades Maximum Shade Size (RTS ST30 Motor)

Fabric Turned Width for Height (railroaded)																															
Normal Fabric Orientation																															
Valance Type	Continuous Loop No Cassette/No Valance		RU30 12V Motor No Cassette/No Valance		RU30 12V Moto Large Cassette		R28/SR25 12V Motor No Cassette/No Valance		R28/SR25 12V Motor Large Cassette		24V Motor No Cassette/No Valance		24V Motor Large Cassette																		
	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	
	Arboretum BO	88	91	82	72	72	72	72	88	91	89	82	88	91	89	82	89	82	82	82	82	82	82	82	82	82	82	82	82	82	82
Arboretum LF	92	119	92	72	72	72	72	92	119	92	119	92	119	92	119	92	119	92	119	92	119	92	119	92	119	92	119	92	119	92	119
Bradley	88	66	73	74	72	72	72	72	88	66	73	74	88	66	73	74	88	66	73	74	88	66	73	74	88	66	73	74	88	66	73
Bravado BO	90	73	76	78	72	72	72	72	90	73	76	78	90	73	76	78	90	73	76	78	90	73	76	78	90	73	76	78	90	73	76
Bravado LF	96	89	98	78	72	72	72	72	96	89	98	78	96	89	98	78	96	89	98	78	96	89	98	78	96	89	98	78	96	89	98
Broadcast	87	62	72	69	72	69	72	69	87	62	72	69	87	62	72	69	87	62	72	69	87	62	72	69	87	62	72	69	87	62	72
Buxton	80	71	72	70	72	70	72	70	85	71	72	70	85	71	72	70	85	71	72	70	85	71	72	70	85	71	72	70	85	71	72
Cambridge LF (Academy; Hawaiian Blue; Mirage; Pond; Vernal)	96	104	96	72	72	72	72	96	104	96	72	96	104	96	72	96	104	96	72	96	104	96	72	96	104	96	72	96	104	96	72
Cambridge LF (Ivory)	76	143	76	127	72	72	72	76	143	76	127	72	76	143	76	127	72	76	143	76	127	72	76	143	76	127	72	76	143	76	127
Cambridge LF (White; Off White; Inkwell; Clay; Misty)	92	140	92	127	72	72	72	92	140	92	127	72	92	140	92	127	72	92	140	92	127	72	92	140	92	127	72	92	140	92	127
Cambridge RD (Academy; Hawaiian Blue; Mirage; Pond; Vernal)	88	96	82	88	72	72	72	88	96	88	96	88	96	88	96	88	96	88	96	88	96	88	96	88	96	88	96	88	96	88	96
Cambridge RD (Ivory)	76	109	76	97	72	72	72	76	109	76	97	76	109	76	97	76	109	76	97	76	109	76	97	76	109	76	97	76	109	76	97
Cambridge RD (White; Off White; Inkwell; Clay ; Misty)	88	96	82	88	72	72	72	88	96	88	96	88	96	88	96	88	96	88	96	88	96	88	96	88	96	88	96	88	96	88	96
Capri	70	104	70	94	70	72	70	70	104	70	94	70	70	104	70	94	70	70	104	70	94	70	70	104	70	94	70	70	104	70	94
Chakra	92	144	92	144	72	72	72	92	144	92	144	72	92	144	92	144	72	92	144	92	144	72	92	144	92	144	72	92	144	92	144
Chronicles	84	88	77	76	72	72	72	85	89	87	79	85	89	87	79	85	89	87	79	85	89	87	79	85	89	87	79	85	89	87	79
Complex	87	68	72	76	72	72	72	87	68	72	76	87	68	72	76	87	68	72	76	87	68	72	76	87	68	72	76	87	68	72	
Conservancy LF	75	87	76	77	65	72	65	75	87	76	77	75	87	76	77	75	87	76	77	75	87	76	77	75	87	76	77	75	87	76	77

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Features and Size Considerations

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Lightweaves Roller and Solar Shades: Dual Shades Maximum Shade Size (RTS ST30 Motor)

Valance Type		Normal Fabric Orientation												Fabric Turned Width for Height (railroaded)																							
		Continuous Loop No Cassette/No Valance		RU30 12V Motor No Cassette/No Valance		RU30 12V Motor Large Cassette		R28/SR25 12V Motor No Cassette/No Valance		R28/SR25 12V Motor Large Cassette		24V Motor No Cassette/No Valance		24V Motor Large Cassette		Continuous Loop Large Cassette		Continuous Loop No Cassette/No Valance at Max Width		Continuous Loop Large Cassette at Max Width		R28/SR25 12V Motor No Cassette/No Valance at Max Length		R28/SR25 12V Motor Large Cassette at Max Length		24V Motor No Cassette/No Valance		24V Motor Large Cassette									
Fabric		W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)						
Conservancy BO		70	65	71	59	67	59	72	67	70	65	71	59	70	65	71	59	70	65	71	59	70	65	71	59	Not available											
Consummate Silk		79	92	79	81	72	72	72	72	79	92	79	81	79	92	79	81	79	92	79	81	79	92	79	81	Not available											
Debonair		95	87	95	87	72	72	72	72	95	87	95	87	95	87	95	87	95	87	95	87	95	87	95	87	Not available											
Delphine BO		89	79	75	82	72	72	72	72	89	79	91	70	89	79	91	70	89	79	91	70	89	79	91	70	Not available											
Delphine LF		96	102	97	94	72	72	72	72	96	102	97	94	96	102	97	94	96	102	97	94	96	102	97	94	Not available											
Destin BO		87	80	81	71	72	72	72	72	87	80	89	71	87	80	89	71	87	80	89	71	87	80	89	71	Not available											
Diplomat		96	90	96	90	72	72	72	72	96	90	96	90	96	90	96	90	96	90	96	90	96	90	96	90	Not available											
Dorian		92	113	92	100	72	72	72	72	92	113	92	100	92	113	92	100	92	113	92	100	92	113	92	100	Not available											
Earth Synergy		88	91	82	82	72	72	72	72	88	91	88	90	88	91	88	90	88	91	88	90	88	91	88	90	Not available											
EcoEncore		97	101	97	101	72	72	72	72	97	101	97	101	97	101	97	101	97	101	97	101	97	101	97	101	Not available											
Ellington 1%		75	79	75	68	65	72	65	72	75	79	77	70	75	79	77	70	75	79	77	70	75	79	77	70	75	79	77	70	75	79	77	70				
Ellington 3%		77	83	79	72	67	72	67	72	77	83	79	72	67	72	77	83	79	72	67	72	77	83	79	72	67	72	77	83	79	72	67	72				
Ellington 5%		71	64	71	64	59	72	59	72	71	64	71	64	71	64	71	64	71	64	71	64	71	64	71	64	Not available											
Emerson		75	78	76	73	72	72	72	72	75	78	76	73	72	75	78	76	73	72	75	78	76	73	72	75	78	76	73	72	75	78	76	73				
Empirical		96	98	96	98	72	72	72	72	96	98	96	98	96	98	96	98	96	98	96	98	96	98	96	98	Not available											
Emporium (Bookplate White)		94	82	94	82	72	72	72	72	94	82	94	82	94	82	94	82	94	82	94	82	94	82	94	82	Not available											
Emporium (Sepia Snapshot)		89	94	91	78	72	72	72	72	89	94	91	82	89	94	91	82	89	94	91	82	89	94	91	82	Not available											
Emporium (Silver Dollar, Vintage Letterpress, Sheet Music, Stepping Stone)		91	90	92	83	72	72	72	72	91	90	92	83	91	90	92	83	91	90	92	83	91	90	92	83	Not available											
Enviro-INFUSION		96	105	96	105	72	72	72	72	96	105	96	105	96	105	96	105	96	105	96	105	96	105	96	105	Not available											
Essential		70	114	70	105	70	72	70	72	70	144	70	144	70	144	70	144	70	144	70	144	70	144	70	144	82	94	82	94	82	94	82	110	82	110	82	110
Exposition		76	65	77	59	72	67	72	67	72	76	65	77	59	72	67	72	76	65	77	59	72	67	72	76	65	77	59	72	67	72	76	65	77	59	72	67

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Features and Size Considerations

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Lightweaves Roller and Solar Shades: Dual Shades Maximum Shade Size (RTS ST30 Motor)

Valance Type		Normal Fabric Orientation												Fabric Turned Width for Height (railroaded)																											
		Continuous Loop No Cassette/No Valance		Continuous Loop Large Casset		RU30 12V Motor No Cassette/No Valance		R28/SR25 12V Motor No Cassette/No Valance		R28/SR25 12V Motor Large Cassette		24V Motor No Cassette/No Valance		24V Motor Large Cassette		Continuous Loop No Cassette/No Valance at Max Width				Continuous Loop Large Cassette at Max Width				R28/ 12V Motor No Cassette/No Valance at Max Length		R28/SR25 12V Motor Large Cassette at Max Length		R28/SR25 12V Motor Large Cassette at Max Width		24V Motor No Cassette/No Valance		24V Motor Large Cassette									
Fabric		W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)								
Florian		92	130	92	115	72	72	72	72	92	130	92	115	92	130	92	115	92	130	92	115	92	130	92	115	Not available															
Freesia		102	113	103	100	72	72	72	72	102	113	103	100	102	113	103	100	102	113	103	100	102	113	103	100	Not available															
Gallery		92	140	92	133	72	72	72	72	92	140	92	133	92	140	92	133	92	140	92	133	92	140	92	133	Not available															
Gleam		79	90	79	90	70	69	70	69	79	90	79	90	79	90	79	90	79	90	79	90	79	90	79	90	Not available															
Grasses		72	81	72	73	72	72	72	72	72	72	72	73	72	72	72	73	72	72	72	72	72	72	72	73	Not available															
Guildhall		82	75	72	76	72	72	72	72	72	72	72	85	76	87	67	85	76	87	67	85	76	87	67	Not available																
Halifax		92	103	92	103	72	72	72	72	92	103	92	103	92	103	92	103	92	103	92	103	92	103	92	103	Not available															
Harmonics		92	94	92	94	72	72	72	72	92	94	92	94	92	94	92	94	92	94	92	94	92	94	92	94	Not available															
Harmony		92	124	92	112	72	72	72	72	92	124	92	112	92	124	92	112	92	124	92	112	92	124	92	112	Not available															
Jacinta		97	99	97	99	72	72	72	72	97	99	72	99	97	99	72	99	97	99	72	99	97	99	72	99	Not available															
Kindred		97	101	97	101	72	72	72	72	97	101	72	101	97	101	72	101	97	101	72	101	97	101	72	101	Not available															
Levity		100	84	102	74	72	72	72	72	100	84	102	74	100	84	102	74	100	84	102	74	100	84	102	74	Not available															
Linnea		96	144	96	144	72	72	72	72	96	144	72	96	144	96	144	96	144	96	144	96	144	96	144	96	Not available															
LiveWell		84	73	72	77	72	72	72	72	86	73	88	65	86	73	88	65	86	73	88	65	86	73	88	65	86	73	88	65	86	73	88	65								
Manifest BO		82	123	82	94	72	72	72	72	89	96	89	96	89	96	89	96	89	96	89	96	89	96	89	96	Not available															
Manifest LF		92	144	92	144	72	72	72	72	92	144	72	92	144	92	144	92	144	92	144	92	144	92	144	92	Not available															
Marina		96	83	98	73	72	72	72	72	96	83	98	73	96	83	98	73	96	83	98	73	96	83	98	73	Not available															
Mayfair		99	117	99	117	72	72	72	72	99	117	72	99	117	72	99	117	72	99	117	72	99	117	72	99	Not available															
Merit		76	87	76	77	67	70	67	70	76	87	77	79	76	87	77	79	76	87	77	79	76	87	77	79	Not available															
Momentum		88	74	73	82	72	72	72	72	88	74	73	82	88	74	73	82	88	74	73	82	88	74	73	82	Not available															
Manaco		76	144	76	144	72	72	72	72	76	144	76	144	76	144	76	144	76	144	76	144	76	144	76	144	Not available															
Monticello		74	68	75	62	72	71	72	71	74	68	75	62	91	54	92	48	91	54	92	48	91	54	92	48	91	54	92	48	91	54	92	48								
Nantucket		77	62	78	56	72	64	72	64	77	62	78	56	94	49	96	43	94	49	96	43	94	49	96	43	Not available															
Nebula		79	57	66	64	64	72	64	72	79	57	66	64	79	57	81	49	79	57	81	49	79	57	81	49	Not available															
Northshore		95	78	95	77	72	72	72	72	95	78	95	77	95	78	95	77	95	78	95	77	95	78	95	77	Not available															
Olbrecht		77	77	79	67	67	70	67	70	77	77	67	70	77	77	67	70	77	77	67	70	77	77	67	70	Not available															
Paragon		76	88	78	76	67	72	67	72	76	88	77	78	76	88	77	78	76	88	77	78	76	88	77	78	Not available															
Parliament		92	120	92	106	72	72	72	72	92	120	92	106	92	120	92	106	92	120	92	106	92	120	92	106	Not available															
PlanetSafe		97	97	97	97	72	72	72	72	97	97	72	97	97	72	97	97	72	97	97	72	97	97	72	97	Not available															

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Lightweaves Roller and Solar Shades: Dual Shades Maximum Shade Size (RTS ST30 Motor)

Valance Type	Normal Fabric Orientation						Fabric Turned Width for Height (railroaded)											
	Continuous Loop No Cassette/No Valance		RU30 12V Motor No Cassette/No Valance		RU30 12V Motor Large Cassette		R28/SR25 12V Motor No Valance		R28/SR25 12V Motor Large Cassette		24V Motor No Valance		24V Motor Large Cassette		Continuous Loop No Cassette/No Valance at Max Width		Continuous Loop Large Cassette at Max Width	
Fabric	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)
Plexus 1% (Black Granite; Chalcedony; Nutley Pier; Travertine; Landmark; Niche; Penumbra; Provisions; Renewal; Stately)	79	58	71	61	71	60	71	60	84	58	71	61	84	58	71	61	84	58
Plexus 1% (Soapstone; Sublime Gray; Tranquility)	79	60	71	63	71	62	71	62	84	60	71	63	84	60	71	63	84	60
Plexus 3% (Black Granite; Chalcedony; Nutley Pier; Travertine; Landmark; Niche; Penumbra; Provisions; Renewal; Stately)	82	58	71	64	72	60	72	60	85	58	71	64	85	58	71	64	85	58
Plexus 3% (Soapstone; Sublime Gray; Tranquility)	83	60	71	67	71	66	71	66	85	60	71	67	85	60	71	67	85	60
Plexus 5% (Black Granite; Chalcedony; Nutley Pier; Travertine; Landmark; Niche; Penumbra; Provisions; Renewal; Stately)	79	64	71	67	71	66	71	66	84	64	71	67	84	64	71	67	84	64

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Lightweaves Roller and Solar Shades: Dual Shades Maximum Shade Size (RTS ST30 Motor)

Valance Type			Normal Fabric Orientation												Fabric Turned Width for Height (railroaded)															
			Continuous Loop No Cassette/No Valance		RU30 12V Motor No Cassette/No Valance		R28/SR25 12V Motor No Cassette/No Valance		R28/SR25 12V Motor Large Cassette		24V Motor No Cassette/No Valance		24V Motor Large Cassette		Continuous Loop Large Cassette at Max Width		Continuous Loop No Cassette/No Valance at Max Width		Continuous Loop Large Cassette		R28/ SR25 12V Motor No Cassette/No Valance at Max Width		R28/SR25 12V Motor Large Cassette at Max Length		R28/SR25 12V Motor Large Cassette at Max Width		24V Motor No Cassette/No Valance		24V Motor Large Cassette	
Fabric	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)
Plexus 5% (Soapstone; Sublime Gray; Tranquility)	84	63	72	67	72	67	86	63	72	67	86	63	88	55	84	63	72	67	86	55	86	63	72	67	88	55	86	63	88	55
Porter	83	50	69	56	67	65	83	50	69	56	83	50	84	43	Not available															
Providence BO	71	57	71	57	58	71	71	57	71	57	71	57	71	57	Not available															
Providence LF	74	89	75	79	65	72	74	89	75	79	74	89	75	79	Not available															
Quintessence	79	75	81	66	71	56	79	75	81	66	79	75	81	66	Not available															
Reaction	82	91	77	76	72	72	85	92	87	81	85	92	87	81	Not available															
Regent	97	107	98	98	72	72	97	107	98	98	97	107	98	98	Not available															
Renaissance	92	140	92	133	72	72	92	140	92	133	92	140	92	133	Not available															
Riverbend	72	75	72	68	72	72	72	72	72	68	72	72	72	68	Not available															
Sabine	82	85	73	80	72	72	84	88	86	78	84	88	86	78	Not available															
SafeSync	78	63	79	54	64	72	78	63	80	55	78	63	80	55	Not available															
Sakura	67	56	69	50	67	58	67	58	67	58	67	58	67	58	Not available															
Salutation	96	97	96	86	72	72	96	97	96	86	96	97	96	86	Not available															
Sanguine	74	61	75	54	72	63	74	61	75	54	78	48	78	42	Not available															
Santorini	76	120	76	132	72	72	76	120	76	132	76	120	76	106	Not available															
Shadow	82	90	75	78	72	72	85	91	87	81	85	91	87	81	Not available															
Sheffield	96	94	96	88	72	72	96	94	96	88	96	94	96	88	Not available															
Shiloh	96	99	96	99	72	72	96	99	96	99	96	99	96	99	Not available															
Solana BO	78	68	80	60	66	70	78	68	80	60	78	68	80	60	Not available															
Standard Weave 1% (Calcite; Polished)	82	81	72	82	72	72	84	86	86	76	84	86	86	76	84	86	84	86	84	86	84	86	86	76	86	84	86	84	86	76
Standard Weave 1% (Daikon; Infallible; Once)	82	84	73	79	72	72	84	90	85	83	84	90	85	83	84	90	84	90	84	90	84	90	85	83	85	83	84	90	85	83

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Features and Size Considerations

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Lightweaves Roller and Solar Shades: Dual Shades Maximum Shade Size (RTS ST30 Motor)

Valance Type	Normal Fabric Orientation												Fabric Turned Width for Height (railroaded)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	Continuous Loop No Cassette/No Valance				RU30 12V Motor No Cassette/No Valance				R28/SR25 12V Motor No Cassette/No Valance				24V Motor No Cassette/No Valance				Continuous Loop No Cassette/No Valance at Max Width				Continuous Loop Large Cassette at Max Width				R28/SR25 12V Motor No Cassette/No Valance at Max Width				R28/SR25 12V Motor Large Cassette at Max Width				24V Motor No Cassette/No Valance				24V Motor Large Cassette/No Valance																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)

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Normal Fabric Orientation														Fabric Turned Width for Height (railroaded)																			
Valance Type	Continuous Loop No Cassette/No Valance		RU30 12V Motor No Cassette/No Valance		RU30 12V Moto Large Cassette		R28/SR25 12V Motor No Cassette/No Valance		R28/SR25 12V Motor Large Cassette		24V Motor No Cassette/No Valance		24V Motor Large Cassette		Continuous Loop No Cassette/No Valance at Max Width		Continuous Loop Large Cassette at Max Width		Continuous Loop Large Cassette at Max Width		R28/SR25 12V Motor No Valance at Max Length		R28/SR25 12V Motor Cassette/No Valance at Max Width		R28/SR25 12V Motor Large Cassette at Max Length		R28/SR25 12V Motor Large Cassette at Max Width		24V Motor Cassette/No Valance		24V Motor Large Cassette		
	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	
Standard Weave 5% (Veranda; Café Doppio; Chiseled)	82	88	80	70	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
Suburban II	72	141	72	125	72	67	72	67	74	65	76	58	92	51	93	45	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
Synthesis	74	65	76	58	72	55	72	55	74	53	76	47	91	42	93	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
Tableaux	74	53	76	47	72	70	72	70	72	70	90	70	82	70	73	70	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
Thesis	70	90	70	82	70	72	70	72	70	90	70	82	70	73	70	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
Tuvalu	96	104	96	104	72	72	72	72	96	104	96	104	96	104	96	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
Unison	95	78	95	78	72	72	72	72	95	78	95	78	95	78	95	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
Vancouver	95	91	95	91	72	72	72	72	95	91	95	91	95	91	95	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
Vanguard 1% (Authentic; Chrome; Pendulum; Gentle Beige)	82	81	72	82	72	72	72	72	84	86	86	76	84	86	86	76	84	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
Vanguard 1% (Cortina; Obsidian)	82	84	73	79	72	72	72	72	84	90	85	83	84	90	85	83	84	90	85	83	84	90	85	83	84	90	85	83	84	90	85	83	83
Vanguard 1% (Elusive; Macedonia; Dew; Homage; Peloton)	82	78	72	78	72	72	72	72	82	91	85	79	82	91	85	79	82	91	85	79	82	91	85	79	82	91	85	79	82	91	85	79	79
Vanguard 3% (Authentic; Gentle Beige; Chrome; Pendulum)	82	88	79	71	72	72	72	72	84	92	86	82	84	92	86	82	84	92	86	82	84	92	86	82	84	92	86	82	84	92	86	82	82
Vanguard 3% (Elusive; Macedonia; Dew; Homage; Peloton)	82	81	72	81	72	72	72	72	83	92	85	82	83	92	85	82	83	92	85	82	83	92	85	82	83	92	85	82	83	92	85	82	82
Vanguard 3% (Obsidian; Cortina)	82	82	72	83	72	72	72	72	84	89	86	78	84	89	86	78	84	89	86	78	84	89	86	78	84	89	86	78	84	89	86	78	78

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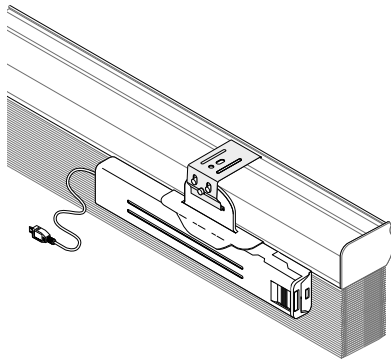
Lightweaves Roller and Solar Shades: Dual Shades Maximum Shade Size (RTS ST30 Motor)

		Normal Fabric Orientation										Fabric Turned Width for Height (railroaded)																		
Valance Type	Continuous Loop No Cassette/No Valance		RU30 12V Motor No Cassette/No Valance		R28/SR25 12V Motor No Cassette/No Valance		R28/SR25 12V Motor Large Cassette		24V Motor No Cassette/No Valance		24V Motor Large Cassette		Continuous Loop No Cassette/No Valance at Max Width		Continuous Loop Large Cassette at Max Width		Continuous Loop No Cassette/No Valance at Max Length		R28/SR25 12V Motor No Cassette/No Valance at Max Width		R28/SR25 12V Motor Large Cassette at Max Length		R28/SR25 12V Motor Large Cassette at Max Width		24V Motor No Cassette/No Valance		24V Motor Large Cassette			
	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)	W (in)	H (in)		
Vanguard 5% (Cortina; Obsidian)	82	91	78	75	72	72	72	72	85	92	86	86	85	92	86	86	91	78	75	85	92	86	86	85	92	86	86	92	86	
Vanguard 5% (Elusive; Macedonia; Dew; Homage; Peloton)	82	88	80	70	72	72	72	72	84	95	86	84	84	95	82	88	80	70	70	84	95	84	86	84	84	86	84	95	86	
Vanguard 5% (Gentle Beige; Pendulum; Authentic; Chrome)	84	91	77	78	72	72	72	72	85	92	87	82	85	92	84	91	77	78	78	85	92	87	82	85	92	87	85	92	82	
Verve	96	77	81	86	72	72	72	72	96	77	81	86	96	77	98	67	Not available													
Vivaldi	79	92	79	81	72	72	72	72	79	92	79	81	79	92	79	81	Not available													
Wayfarer	92	144	92	144	72	72	72	72	92	144	92	144	92	144	92	144	Not available													
Whitcomb	95	87	95	87	72	72	72	72	95	87	95	87	95	87	95	87	Not available													
Whitehall	88	102	91	80	72	72	72	72	88	102	89	90	88	102	89	90	91	80	80	91	82	91	82	91	82	91	82	91	82	
Whittaker BO	74	83	75	76	72	72	72	72	74	83	75	76	90	68	92	60	Not available													
Zen	82	82	83	74	72	72	72	72	82	82	83	74	92	66	92	58	Not available													

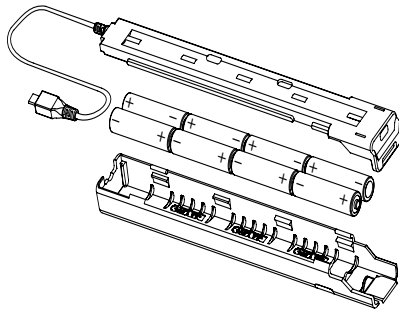
NOTES: Due to continuous manufacturing improvements, minimums and maximums are subject to change. Please call customer service for up to date size considerations. Seams may be added to fabrics to accommodate long shade requirements. Seams will be placed as close to the tube as possible; seam location is not selectable. Seams are visible when the shade is fully extended. Not available with RU28 rechargeable motor or RU30 Simple RTS motor.

Options

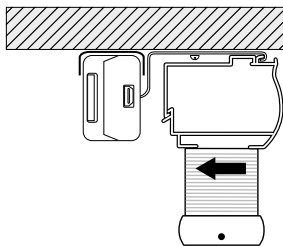
Z-Wave Power Considerations



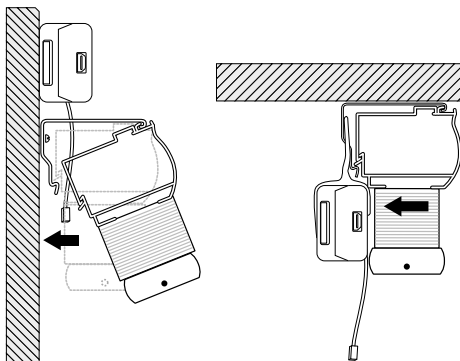
Cellular and Pleated
Battery Consideration



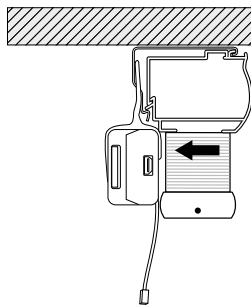
Battery Case (non-rechargeable solution)



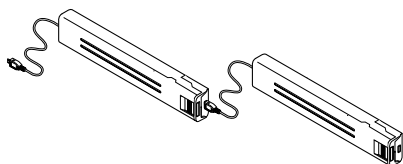
Ceiling/Inside Mount



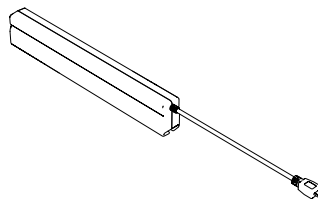
Outside Mount



Inside Mount



Dual Battery Cases



Rechargeable Battery Pack



Li-Ion Charger

Motors can be powered by non-rechargeable AA lithium batteries, rechargeable battery pack, plug-in transformer, or multi-motor power supply. Each shade requires a motor and appropriate power source.

Power Considerations

Larger shades consume more power while operating. When choosing the appropriate power source based upon the shade size we recommend the following power sources for the best performance.

Shade Size square inches	Non-Rechargeable Recommended Power Source	Rechargeable Battery Pack Estimated Battery Life Before Recharge* Single Pack Only
0 to 3,600	Batteries (single or dual), plug-in, or multi-motor power supply	~12 Months
3,600 to 7,200	Dual battery cases, plug-in, or multi-motor power supply	~6-12 Months
>7,200	Plug-in or multi-motor power supply only	~6 Months or Less

Dual battery cases are recommended for larger shades (over 3,600 square inches) to extend battery life when using non rechargeable solutions.

Transformer power is recommended for larger shades (over 7,200 square inches) to provide the best experience with regular shade operation.

Battery Case Considerations

Battery power recommended for maximum of 10 shades for best battery performance.

Battery cases are installed in space outside of the product and can be a challenge to hide in some windows.

For Inside Mounts

- The cleanest and simplest method available for cellular and pleated shades is the integrated battery case hanger; this hanger attaches directly to a shade bracket to support the battery case while allowing the case to be removed for battery changes; additional recessed space will be needed

For Outside Mounts

- For outside mounts, battery cases can be installed above or to the side of the shade

NOTE: For best performance with non-rechargeable solutions, use only AA lithium batteries.

Battery case dimensions:

9 $\frac{1}{4}$ " x 1 $\frac{1}{4}$ " x $\frac{7}{8}$ "

Dual battery cases installed end-to-end:

require 21" of space
(including connectors)

Battery case minimum recessed space
(installed with bracket):

product minimum recessed space + $\frac{3}{4}$ "

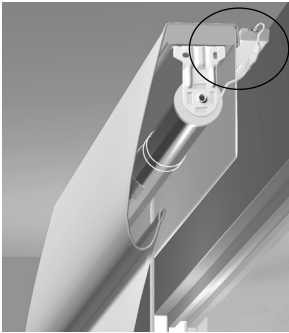
Rechargeable Battery Pack dimensions:

8 $\frac{9}{16}$ " x 1 $\frac{7}{16}$ " x 1 $\frac{5}{16}$ "

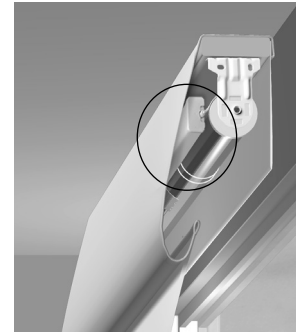
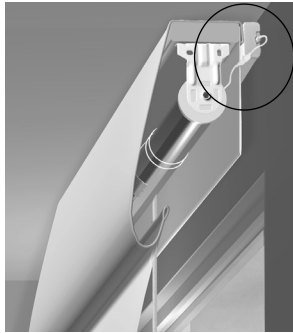
Options

Z-Wave Power Considerations

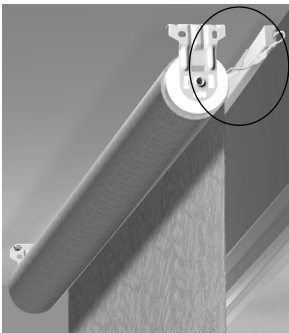
Solar/Roller, Natural Shades, Artisan Roman, Layered, and Sheer Shade Battery Considerations



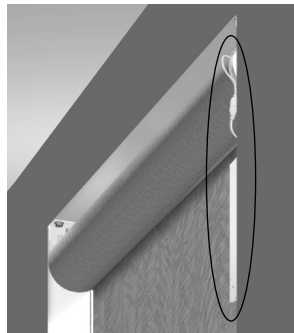
Artisan Roman/Natural Shades
Battery Pack
Mounted Behind



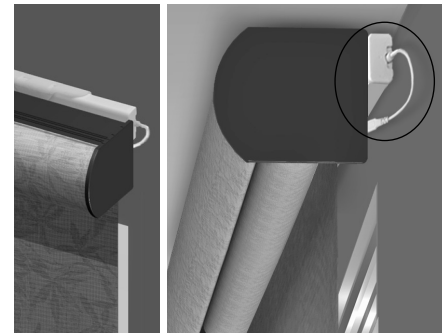
Artisan Roman/Natural Shades
Battery Pack
Mounted on Headrail



Solar Shades
Outside Mount
Battery Pack



Solar Shades
Inside Mount Battery Pack



Solar, Layered, and
Sheer Shades with Cassette
Battery Pack

Transformer power recommended for shade systems of any quantity.

DC Plug-in Transformer Considerations

A power outlet must be within cord length to power motor.

Transformer includes 72" power cord and a 96" extension cable (power cord and extension cord cannot be cut to length or trimmed).

A transformer is recommended on all shades over 7,200 square inches.

Transformer dimensions

3¼" wide x 2" deep (not including plug) x 1½" tall (as you look at the plug in the outlet).

NOTE: Due to the many variations of installations, wire management components are not included with your motorized shade system. There are numerous wire management products available at your local hardware store or home improvement center to help disguise the power cord when using a plug-in transformer. An example of a popular wire management accessory is wire channel. Wire channel is a vinyl sheathing that can be placed along the window casing or wall that will house and conceal exposed wiring for a clean and professional appearance.

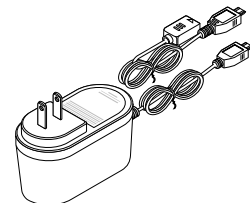
Multi-Motor Power Supply Considerations

Transformer enclosure is generally mounted in an accessible indoor location such as a basement, utility closet, or garage. Motors are "home run" wired to the panel using 16 gauge wire.

12 Volt: 10-motor power supply available for all Graber® products and includes connectors.

Dimensions: 12" wide x 6" deep x 12" high.

CAUTION: A licensed electrician is required for all line voltage electrical connections. All local and NEC codes must be followed.



DC Plug-In Transformer

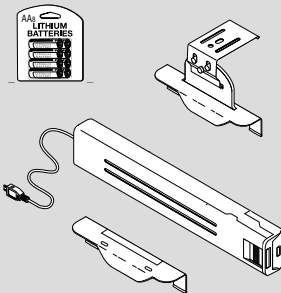


Multi-Motor Power Supply

Options

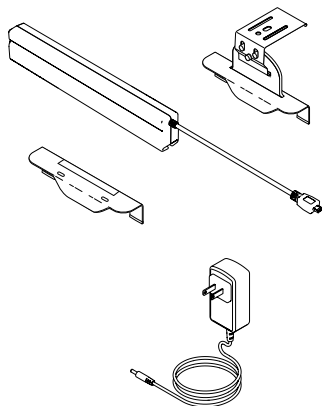
Z-Wave Power Components

NOTE: These power supplies are not compatible with Radio Technology Somfy motors.



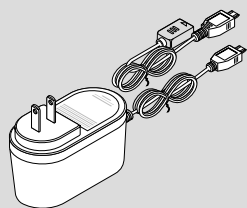
Reloadable Battery Case

- Reloadable: available with or without batteries
- Multiple mounting options provided
- Simple case design allows for easy battery replacement
- Recommend shades greater than 3,600 square inches utilize two single battery cases (dual cases) to extend battery life
- For shades exceeding 7,200 square inches we recommend a plug-in transformer
- For best performance, use only AA lithium batteries (each case requires 8 AA lithium batteries)
- 48" and 96" extensions available, maximum of 2 per motor
- Battery power recommended for maximum of 10 shades for best battery performance



Rechargeable Battery Pack

- The rechargeable battery pack comes as a sealed pack with the batteries already included. Batteries are charged by plugging the charger into the pack.
- Multiple mounting options provided.
- For shades exceeding 7,200 square inches we recommend a plug-in transformer
- 48" and 96" motor-to-battery extensions available, maximum of 2 per motor
- Rechargeable battery packs ship at 30% charge and must be fully charged prior to installation
- Dual pack configuration is not available or necessary for the rechargeable battery packs
- One Lithium-Ion Charger is required per order; sold separately
- Lithium-Ion charger cable is 6 feet
- Lithium-Ion charger has an LED that turns red to indicate charging and green to indicate fully charged
- Fully charging the rechargeable battery pack takes an average of 5 hours



Plug-In Transformer

- Eliminates the need for batteries
- Small plug profile
- Cord can be concealed behind curtains or along trim
- 72" power cord and 96" extension cable (power cord and extension cable cannot be cut to length)
- 48" and 96" extensions available, maximum of 2 per motor
- We recommend shades greater than 7,200 square inches utilize a transformer to eliminate changing batteries frequently
- Available in white only

Transformer Dimensions

- 3¼" wide x 2" deep (not including plug) x 1½" tall (as you look at the plug in the outlet)
- Wire management components are not included with your motorized shade system
 - Refer to 12 volt power considerations for further details



Multi-Motor Power Supply

- Used when direct wiring the motorized window coverings
- Each motor is "home run" wired back to the multi-motor power supply using 16 gauge 2 conductor wire (must be purchased locally; Graber® does not supply)
- Power supply includes connectors
- Must be mounted indoors, NEMA rated
- Dimensions: 12" wide x 6" deep x 12" high
- Input: 100-120v AC / 200-240V AC at 3.3 amps
- Output: 10 amps; each shade port - 2 amp fused

Z-Wave Control Options

Z-Wave Radio Frequency (RF) Controls

NOTE: These controls are not compatible with Radio Technology Somfy motors.



Z-Wave Standard Remote

The standard remote is meant to control an individual shade (one to one). This helps assure simple, reliable control as well as simplifying the process of readjusting pre-set positions should it become necessary—without removing power from adjacent shades. However, the standard remote can be paired to multiple shades to provide group control (onsite programming step).

- Not available for sheer or layered shades
- Includes convenient mounting hardware
- Battery included—CR2430
- Available in white



Z-Wave Plus Remote

- Used to control single shades or a group of shades simultaneously
- Set and use an intermediate position for your shades
- Includes convenient mounting hardware
- Battery included—CR2430
- Available in white



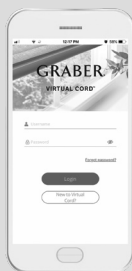
Z-Wave Plus Remote Decorator Wall Plate Kit (single-channel remote sold separately)

- Provides attractive mounting option to match look of existing light switches
- Locates the remote where most convenient for the user
- Helps prevent misplacing of remote when not in use
- Mounts flush to wall with included anchors, no cutting of drywall needed
- Available in white



Z-Wave Premium Remote (12-channel)

- 12-channel remote, controls up to 24 shades
- Control single shades on each channel or group shade performing the same function
- Shades are added to the remote from the manufacture. Channel assignment will need to be done at time of install.
- Convenient display provides easy programming
- Set and use an intermediate position for your shades
- Includes mounting wall plate and hardware; mounts to wall with anchors (see multi-channel remote mounting options)
- Batteries included—2 AAA
- Available in white



Grabber Motorization App and Gateway

- Controls up to 30 Z-wave devices (shade motors and remotes)
- Average Home Coverage: approx. 2,500 square feet depending on a variety of factors including number of walls and material of walls
- Multiple gateways can be added to an account on the Grabber Motorization App to extend coverage and number of devices
- Control single shades individually with the ability to group shades in rooms for additional functionality
- Integrate directly with Amazon Alexa and Google Assistant for voice control
- Create routines to control multiple shades with the ability to also set timers
- Set and use favorite positions
- Advanced settings allow for easy control of limits and roll direction
- Grabber Motorization app downloadable for free from the App Store and Google Play
- Compatible with Apple and Android devices
- Gateway and Adapter (shown in the image to the left) are sold together. The gateway and adapter must be plugged into a constant source of power
- Requires a 2.4Ghz, password protected, Wi-Fi network
- Multiple users can be added to an account with the option to assign different permission levels

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(12/21) | 21-273650

GRABER.

Grabber Z-Wave Motorization DESIGNER US Price List — Effective FEBRUARY 2020

Z-Wave Motorization

See product information guide for illustrations of power and control items listed below. Select motor package and add to price of shade.

Motor Package Pricing

Includes motor, power source, and standard remote

Order Entry: 12V Z-Wave Motor with Remote

Motor packages include the Standard Remote for all shade types excluding sheer and layered shades. The Plus Remote single-channel is supplied with sheer and layered shade packages.

Standard Remote and Rechargeable Battery Pack (charger sold separately)	658
Standard Remote and Single Non-Rechargeable Reloadable Battery Case (filled) (Includes 8 AA lithium batteries)	582
Standard Remote and Single Non-Rechargeable Reloadable Battery Case (empty)	518
Standard Remote and DC Plug In Transformer (includes 96" (243.8 cm) extension cable)	582
Dual cases recommended for shades over 3,600 square inches to extend battery life.	
Standard Remote and Dual Non-Rechargeable Reloadable Battery Case (filled) (Includes 16 AA lithium batteries)	692
Standard Remote and Dual Non-Rechargeable Reloadable Battery Case (empty)	563

Z-Wave Motor Pricing

See options section for descriptions and illustrations of items listed below.

For motorized lift dual shades, one (1) motor, and one (1) power source are required for each motorized shade (total of two motors and two power sources if both shades of the dual shade are motorized lift).

A. Z-Wave Motor Pricing

Add price of motor to blind or shade price.

Order Entry: 12V Z-Wave Motor without Remote

Motor Options	
Cellular, Pleated, and Classic Roman Shades	384
Roller, Solar, Layered, Artisan Roman and Sheer Shades	384
Natural Shades*	384

*Motor on a natural shade is priced per panel and can be ordered with multiple shades on one headrail.

NOTE: For all other non-motorization options, see individual price list for specific blind or shade.

B. Z-Wave Motorization Power Sources

Choose one (1) battery option or one (1) transformer per motor.

12-Volt Power Options

Battery Cases	
Single Non-Rechargeable, Reloadable Battery Case (empty)	45
Single Non-Rechargeable, Reloadable Battery Case (filled) (Includes 8 AA lithium batteries)	109
Dual cases recommended for shades over 3,600 square inches (2.3 square meters) to extend battery life.	
Dual Non-Rechargeable, Reloadable Battery Case (empty)	90
Dual Non-Rechargeable, Reloadable Battery Case (filled) (Includes 16 AA lithium batteries)	219
Other Power Options	
48" (121.9 cm) Extension Cable	20
96" (243.8 cm) Extension Cable	24
12 Volt DC Plug-In Transformer (includes 96" (243.8 cm) extension)	109
Multi-Motor Power Supply Kit (Up to 10 motors per power supply)	1122
12-Volt Rechargeable Power Options	
12-Volt Rechargeable Battery Pack	165
12-Volt 6 foot (1.9 m) Li-ion Charger	20

NOTE: For woven wood shades, surcharge is per panel.

C. Z-Wave Motorization Controls

Choose one or more remotes per order. Controllers are wire-free, battery and mounting hardware is included. App & Gateway are wire-free and do not require batteries.

Radio Frequency Remote Controls

Standard Remote	89
Plus Remote Single Channel	112
Plus Remote Decorator Wall Plate	17
Premium Remote Multi-Channel (includes wall mount and hardware)	245
Graber Motorization App and Gateway	300