

MOTORIZED BLINDS AND SHADES

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Features and Size Considerations

Motorized Blinds and Shades

Refer to individual base price list for specific option and size information for the product being ordered.

Somfy® 12 volt RTS motors are available in two distinct categories outlined within this price list.

RTS Motorization: this category has been offered by Graber® for quite some time and has been a workhorse family of motors for cellular, pleated, solar, roller, natural, fresco Roman, soft shade, and our tilt products.

Simple Motor: designed to meet a value price point, this new category of Somfy motors is more limited in its lifting capacity and is available for cellular, pleated, solar, and roller shades only. Another notable characteristic of distinction between the two offerings is the general sound of the various motors, speed of operation, power options, and different means of handling certain programming steps. Please consider these product and performance differences before combining the two categories in the same application. All RTS controls can be used with this category.

Please see the RTS motors category sections for each of these motors when reviewing the guide.

Radio Frequency (RF)

Motorized Graber blinds and shades feature Somfy radio frequency motors and accessories. All Somfy radio frequency motors utilize Somfy's proprietary protocol Radio Technology Somfy® (RTS). Motorized blinds and shades feature the following:

- Window treatments can be operated from virtually anywhere in the home up to 65 feet (19.9 m)
- Provides easy operation of hard-to-reach or large windows
- Efficiently manages energy (heat gain and loss)
- Operate multiple window treatments simultaneously or individually
- A safer alternative to accessible cords that are traditionally used to operate window coverings; ideal for homes with children and pets
- Easily integrated with home automation systems
- Not available with hold down brackets or specialty window treatments

Multiple Control Options Available

- Remote: convenient, portable control (single-, five-, or sixteen-channel available)
- Wall switch: control shades/blinds when entering or exiting a room with the simple push of a button
- Timer: allows you to program operation at certain times of the day
 - Manage heat loss and gain automatically; a great way to reduce your energy bill in any season
 - Protect furniture from harmful UV rays
 - Improve security by making your home look occupied
- Automation interface: multiple interface options are available to allow your motorized shades to integrate with third party automation systems

Channel and Control Assignments

Channel and control assignments are available when you purchase motorized window coverings. Specifying channels simplifies your install process by pre-programming each shade to the appropriate channel and control for your order.

- Each individual window covering can be assigned to a single-channel, enabling unique control; multiple window coverings can also be assigned to an individual channel, enabling group control
 - Channel assignment is recommended on all radio frequency (RF) controls within the same product type
 - Custom programming available on handheld remotes, table top remotes, and wall switches only

Standard Motors

- Available with solar and roller products only
- Standard motors are hard-wired both to power (line voltage) and controls
- 120 volt motors allow operation of large shades (see motorization size charts)
- Hard-wired controls provide the most reliable control of shades
- Control options include
 - Wall switches for convenient, reliable control or dry contact outputs provided by certain home automation packages
 - Group controllers to operate multiple shades with a single switch

Features and Size Considerations

CrystalPleat® Cellular Shades Motorized Lift

Order Entry: 12V RTS CL32 Motor



Refer to individual price list for specific option and size information for the product being ordered.

Features

- Window treatments can be operated from virtually anywhere in the home
- Provides easy operation of hard-to-reach or large window coverings
- A safer alternative to accessible cords that are traditionally used to operate window coverings; ideal for homes with children and pets
- Efficiently manages energy (heat gain and loss)
- Operate multiple window treatments simultaneously or individually
- Easily integrated with home automation systems
- Low voltage motorization requires no costly electrical hard-wiring
- Motor located on right side within the headrail
- Powered with batteries, solar power kit, plug-in transformer, or multi-motor power supply
- Multiple shades on one headrail available; each panel will have a motor and power source
- Not available with bottom up/top down, sun up/sun down, top down only, SkyTrack™, Perfect-Vue™, or specialty shapes
- Not available with hold down or side mount brackets

Multiple Control Options Available

- Remote: convenient, portable control
- Wall switch: control shades/blinds when entering or exiting a room with the simple push of a button
- Timer: allows you to program operation at certain times of the day
 - Manage heat loss and gain automatically; a great way to reduce your energy bill in any season
 - Protect furniture from harmful UV rays
 - Improve security by making your home look occupied when you're away
- Automation interface: multiple interface options are available to allow your motorized lift shades to integrate with third party automation systems

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

Cellular Size Considerations	Minimum Width* inches (cm)	Maximum Width inches (cm)	Minimum Height inches (cm)	Maximum Height inches (cm)
All Fabric Styles Except Cocoon	29 ¹ / ₈ (74.0) for smaller shades see below	144 (365.8) [†]	9 (22.9)	144 (365.8)
Cocoon	25 ¹ / ₈ (64.5) for smaller shades see below	86 (218.5)	9 (22.9)	96 (243.9)

*For all inside mount applications, 3/8" (1.0 cm) deduction is taken by the manufacturer on overall width.

[†]Based on fabric width.

Maximum overall panel size = 12,960 square inches (90 square feet) (8.4 m²)

Garden Retreat double cell limited to 10,080 square inches (70 square feet) (6.5 m²) for shades over 84" (213.4 cm) wide.

For Shades Less Than Minimum Width

If Finished Shade Width is inches (cm)	Maximum Height of Shade inches (cm)
Equal to 19 ¹ / ₈ (49.9) but less than 20 (50.8)	24 ¹ / ₈ (62.6)
Equal to 20 (50.8) but less than 20 ¹ / ₂ (52.1)	29 ¹ / ₈ (74.7)
Equal to 20 ¹ / ₂ (52.1) but less than 21 (53.4)	35 ¹ / ₈ (90.5)
Equal to 21 (53.4) but less than 21 ¹ / ₂ (54.7)	42 (106.7)
Equal to 21 ¹ / ₂ (54.7) but less than 22 (55.9)	48 ¹ / ₈ (122.6)
Equal to 22 (55.9) but less than 22 ¹ / ₂ (57.2)	54 ¹ / ₈ (138.5)
Equal to 22 ¹ / ₂ (57.2) but less than 23 (58.5)	60 ¹ / ₈ (154.4)
Equal to 23 (58.5) but less than 23 ¹ / ₂ (59.7)	67 ¹ / ₈ (170.5)
Equal to 23 ¹ / ₂ (59.7) but less than 24 (61.0)	73 ¹ / ₈ (186.4)
Equal to 24 (61.0) but less than 24 ¹ / ₂ (62.3)	79 ¹ / ₈ (202.3)
Equal to 24 ¹ / ₂ (62.3) but less than 25 (63.5)	85 ¹ / ₈ (218.2)
Equal to 25 (63.5) but less than 25 ¹ / ₂ (64.8)	92 ¹ / ₈ (234.4)
Equal to 25 ¹ / ₂ (64.8) but less than 26 (66.1)	98 ¹ / ₈ (250.2)
Equal to 26 (66.1) but less than 26 ¹ / ₂ (67.4)	104 ¹ / ₈ (266.1)
Equal to 26 ¹ / ₂ (67.4) but less than 27 (68.6)	111 ¹ / ₈ (282.3)
Equal to 27 (68.6) but less than 27 ¹ / ₂ (69.9)	117 ¹ / ₈ (298.2)
Equal to 27 ¹ / ₂ (69.9) but less than 28 (71.2)	123 ¹ / ₈ (314.1)
Equal to 28 (71.2) but less than 28 ¹ / ₂ (72.4)	129 ¹ / ₈ (329.9)
Equal to 28 ¹ / ₂ (72.4) but less than 29 (73.7)	136 ¹ / ₈ (346.1)
Equal to 29 (73.7) but less than 29 ¹ / ₈ (74.0)	142 ¹ / ₈ (362.0)
29 ¹ / ₈ (74.0) or greater	144 (365.8)

Features and Size Considerations

Pleated Shades Motorized Lift

Order Entry: 12V RTS CL32 Motor



Pleated Size Considerations	Minimum Width* inches (cm)	Maximum Width inches (cm)	Minimum Height inches (cm)	Maximum Height inches (cm)
1" (2.6 cm) FashionPleat®	25½ (64.8) for smaller shades see below	144 (365.8)†	9 (22.9)	96 (243.9)
1" (2.6 cm) EvenPleat®		120 (304.8)†	6 (15.3)	96 (243.9)
2" (5.1 cm) EvenPleat	27¾ (69.6) for smaller shades see below	144 (365.8)†	12 (30.5)	120 (304.8)**

*For all inside mount applications, ¾" (1.0 cm) deduction is taken by manufacturer on overall width.

**Height limited to 96" (243.9 cm) with overlap.

†Based on fabric width with overlaps.

For Shades Less Than Minimum Width

If Finished Shade Width is inches (cm)	1" (2.6 cm) FashionPleat and EvenPleat Maximum Height of Shade inches (cm)	2" (5.1 cm) EvenPleat Maximum Height of Shade inches (cm)
Equal to 19¾ (49.9) but less than 20 (50.8)	23½ (59.7)	23½ (59.7)
Equal to 20 (50.8) but less than 20½ (52.1)	28¼ (71.8)	28¼ (71.8)
Equal to 20½ (52.1) but less than 21 (53.4)	34½ (87.7)	34½ (87.7)
Equal to 21 (53.4) but less than 21½ (54.7)	40¾ (103.9)	40¾ (103.9)
Equal to 21½ (54.7) but less than 22 (55.9)	47½ (119.7)	47½ (119.7)
Equal to 22 (55.9) but less than 22½ (57.2)	53¾ (135.6)	53¾ (135.6)
Equal to 22½ (57.2) but less than 23 (58.5)	59¾ (151.5)	59¾ (151.5)
Equal to 23 (58.5) but less than 23½ (59.7)	66 (167.7)	66 (167.7)
Equal to 23½ (59.7) but less than 24 (61.0)	72¼ (183.6)	72¼ (183.6)
Equal to 24 (61.0) but less than 24½ (62.3)	78½ (199.4)	78½ (199.4)
Equal to 24½ (62.3) but less than 25 (63.5)	84¾ (215.3)	84¾ (215.3)
Equal to 25 (63.5) but less than 25½ (64.8)	91¾ (231.5)	91¾ (231.5)
Equal to 25½ (64.8) but less than 26 (66.1)	96 (243.9)	97¾ (247.4)
Equal to 26 (66.1) but less than 26½ (67.4)	96 (243.9)	103¾ (263.3)
Equal to 26½ (67.4) but less than 27 (68.6)	96 (243.9)	110 (279.4)
Equal to 27 (68.6) but less than 27¾ (69.6)	96 (243.9)	116¼ (295.3)
Greater than 27¾ (69.6)	96 (243.9)	120 (304.8)

Features and Size Considerations

Simple Cellular and Pleated Shades Motorized Lift

Order Entry: 12V RTS CL30 Motor



Refer to individual price list for specific option and size information for the product being ordered.

Features

- Window treatments can be operated from virtually anywhere in the home
- Provides easy operation of hard-to-reach or large window coverings
- A safer alternative to accessible cords that are traditionally used to operate window coverings; ideal for homes with children and pets
- Efficiently manages energy (heat gain and loss)
- Operate multiple window treatments simultaneously or individually
- Easily integrated with home automation systems
- Low voltage motorization requires no costly electrical hard-wiring
- Motor located on right side within the headrail
- Powered with 10 AA alkaline batteries, plug-in transformer, or multi-motor power supply
- Not available with bottom up/top down, sun up/sun down, top down only, SkyTrack™, Perfect-Vue™, multiple shades on one headrail, or specialty shapes
- Not available with hold down or side mount brackets
- Motors can only pair with four controls

Multiple Control Options Available

- Remote: convenient, portable control
- Wall switch: control shades/blinds when entering or exiting a room with the simple push of a button
- Timer: allows you to program operation at certain times of the day
 - Manage heat loss and gain automatically; a great way to reduce your energy bill in any season
 - Protect furniture from harmful UV rays
 - Improve security by making your home look occupied when you're away
- Automation interface: multiple interface options are available to allow your motorized lift shades to integrate with third party automation systems

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

Features and Size Considerations

Simple Cellular Shades Motorized Lift

	Minimum Width inches (cm)	Maximum Width inches (cm)	Minimum Height inches (cm)	Maximum Height inches (cm)	Power Source Recommendations square inches (cm ²)
Cambridge ¾" (1.0 cm) Single Cell	19½ (49.9)	66 (167.7)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,751 (17,748.4) to 5,000 (32,258.0); Plug-in transformer required starting at 5,001 (32,264.5) to 5,184 (33,445.1); This fabric group is not available over 5,184 (33,445.1)
Cocoon ¾" (1.0 cm) Double Cell	19½ (49.9)	48 (122.0)	12 (30.5)	64 (162.6)	Dual battery tube required starting at 1,501 (9,683.9) to 2,500 (16,129.0); Plug-in transformer required starting at 2,501 (16,135.4) to 3,000 (19,354.8); This fabric group is not available over 3,000 (19,354.8)
Cocoon ¾" (1.0 cm) Single Cell	19½ (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,001 (12,909.7) to 3,500 (22,580.6); Plug-in transformer required starting at 3,501 (22,587.1) to 4,500 (29,032.2); This fabric group is not available over 4,500 (29,032.2)
Elegant Neutrals ¾" (2.0 cm) Single Cell	19½ (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 (33,445.1)
Elegant Neutrals ¾" (1.0 cm) Double Cell	19½ (49.9)	60 (152.4)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,001 (12,909.7) to 3,500 (22,580.6); Plug-in transformer required starting at 3,501 (22,587.1) to 4,500 (29,032.2); This fabric group is not available over 4,500 (29,032.2)
Elegant Neutrals ¾" (1.0 cm) Single Cell	19½ (49.9)	66 (167.7)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,001 (12,909.7) to 3,500 (22,580.6); Plug-in transformer required starting at 3,501 (22,587.1) to 4,500 (29,032.2); This fabric group is not available over 4,500 (29,032.2)
Facets ¾" (2.0 cm) Single Cell	19½ (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 (33,445.1)
Facets ¾" (1 cm) Double Cell	19½ (49.9)	60 (152.4)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 1,501 (9,683.9) to 2,500 (16,129.0); Plug-in transformer required starting at 2,501 (16,135.4) to 3,000 (19,354.8); This fabric group is not available over 3,000 (19,354.8)
Garden Retreat ¾" (2.0 cm) Single Cell	19½ (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 (33,445.1)
Garden Retreat ¾" (1.0 cm) Double Cell	19½ (49.9)	60 (152.4)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 1,501 (9,683.9) to 2,500 (16,129.0); Plug-in transformer required starting at 2,501 (16,135.4) to 3,000 (19,354.8); This fabric group is not available over 3,000 (19,354.8)
Garden Retreat ¾" (1.0 cm) Single Cell	19½ (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,001 (12,909.7) to 3,500 (22,580.6); Plug-in transformer required starting at 3,501 (22,587.1) to 4,500 (29,032.2); This fabric group is not available over 4,500 (29,032.2)
Night Sky ¾" (1.0 cm) Single Cell	19½ (49.9)	66 (167.7)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,751 (17,748.4) to 5,000 (32,258.0); Plug-in transformer required starting at 5,001 (32,264.5) to 5,184 (33,445.1); This fabric group is not available over 5,184 (33,445.1)
Nuance ¾" (1.0 cm) Double Cell	19½ (49.9)	54 (137.2)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 1,501 (9,683.9) to 2,500 (16,129.0); Plug-in transformer required starting at 2,501 (16,135.4) to 3,000 (19,354.8); This fabric group is not available over 3,000 (19,354.8)
Scroll ¾" (2.0 cm) Single Cell	19½ (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 (33,445.1)
Simply Sheer ¾" (2.0 cm) Single Cell	19½ (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 (33,445.1)
Simply Sheer ¾" (1.0 cm) Single Cell	19½ (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,751 (17,748.4) to 5,000 (32,258.0); Plug-in transformer required starting at 5,001 (32,264.5) to 5,184 (33,445.1); This fabric group is not available over 5,184 (33,445.1)
Solitude ¾" (2.0 cm) Single Cell	19½ (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 (33,445.1)
Solitude ¾" (1.0 cm) Single Cell	19½ (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,751 (17,748.4) to 5,000 (32,258.0); Plug-in transformer required starting at 5,001 (32,264.5) to 5,184 (33,445.1); This fabric group is not available over 5,184 (33,445.1)
Translucence ¾" (2.0 cm) Single Cell	19½ (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 (33,445.1)
Translucence ¾" (1.0 cm) Double Cell	19½ (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,001 (12,909.7) to 3,500 (22,580.6); Plug-in transformer required starting at 3,501 (22,587.1) to 4,500 (29,032.2); This fabric group is not available over 4,500 (29,032.2)
Translucence ¾" (1.0 cm) Single Cell	19½ (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,751 (17,748.4) to 5,000 (32,258.0); Plug-in transformer required starting at 5,001 (32,264.5) to 5,184 (33,445.1); This fabric group is not available over 5,184 (33,445.1)
Valletta ¾" (2.0 cm) Single Cell	19½ (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 (33,445.1)
Valletta ¾" (1.0 cm) Single Cell	19½ (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,751 (17,748.4) to 5,000 (32,258.0); Plug-in transformer required starting at 5,001 (32,264.5) to 5,184 (33,445.1); This fabric group is not available over 5,184 (33,445.1)

NOTE: For inside mount applications, ¾" (1.0 cm) deduction is taken by manufacturer on overall width.
 For widths less than 24" (61.0 cm) the battery tube is 24" (61.0 cm) and will be wider than the shade.
 72" (182.9 cm) x 72" (182.9 cm) = 5,184 square inches (33,445.1 cm²) in area, this is the shade size maximum limit for this system, shade size maximum limit may be smaller based on specific fabric type.

Features and Size Considerations

Simple Pleated Shades Motorized Lift

	Minimum Width inches (cm)	Maximum Width inches (cm)	Minimum Height inches (cm)	Maximum Height inches (cm)	Power Source Recommendations square inches (cm ²)
1" (2.6 cm) Pleat					
Allure	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Brighton	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,751 (17,748.4) to 5,000 (32,258.0); Plug-in transformer required starting at 5,001 (32,264.5) to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Brighton FR	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,751 (17,748.4) to 5,000 (32,258.0); Plug-in transformer required starting at 5,001 (32,264.5) to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Crossweave	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,751 (17,748.4) to 5,000 (32,258.0); Plug-in transformer required starting at 5,001 (32,264.5) to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Desert	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,751 (17,748.4) to 5,000 (32,258.0); Plug-in transformer required starting at 5,001 (32,264.5) to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Geneva	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Magnolia	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Marquis	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Mission	19% (49.9)	64 (162.6)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Prism	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Serendipity	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,751 (17,748.4) to 5,000 (32,258.0); Plug-in transformer required starting at 5,001 (32,264.5) to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Sheer Linen	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
2" (5.1 cm) Pleat					
Cabana	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,751 (17,748.4) to 5,000 (32,258.0); Plug-in transformer required starting at 5,001 (32,264.5) to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Crossweave	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,751 (17,748.4) to 5,000 (32,258.0); Plug-in transformer required starting at 5,001 (32,264.5) to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Desert	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Geneva	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Grasscloth	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,751 (17,748.4) to 5,000 (32,258.0); Plug-in transformer required starting at 5,001 (32,264.5) to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Magnolia	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Marquis	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Orchestra	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,751 (17,748.4) to 5,000 (32,258.0); Plug-in transformer required starting at 5,001 (32,264.5) to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Prism	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Serendipity	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,751 (17,748.4) to 5,000 (32,258.0); Plug-in transformer required starting at 5,001 (32,264.5) to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Sheer Linen	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 3,501 (22,587.1) to 5,184 (33,445.1); Plug-in transformer optional for any size up to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)
Tuvalu	19% (49.9)	72 (182.9)	12 (30.5)	72 (182.9)	Dual battery tube required starting at 2,751 (17,748.4) to 5,000 (32,258.0); Plug-in transformer required starting at 5,001 (32,264.5) to 5,184 (33,445.1); This fabric group is not available over 5,184 square inches (33,445.1)

NOTE: For inside mount applications, 3/8" (1.0 cm) deduction is taken by manufacturer on overall width.

For widths less than 24" the battery tube is 24" and will be wider than the shade.

72" (182.9 cm) x 72" (182.9 cm) = 5,184 square inches (33,445.1 cm²) in area, this is the shade size maximum limit for this system, shade size maximum limit may be smaller based on specific fabric type.

Features and Size Considerations

Fresco® Roman Shades Motorized Lift

Order Entry: 12V RTS CL32 Motor



Refer to individual price list for specific option and size information for the product being ordered.

Features

- Window treatments can be operated from virtually anywhere in the home, up to 65 feet (19.9 m)
- Provides easy operation of hard-to-reach or large window coverings
- A safer alternative to accessible cords that are traditionally used to operate window coverings; ideal for homes with children and pets
- Efficiently manages energy (heat gain and loss)
- Operate multiple window treatments simultaneously or individually
- Easily integrated with home automation systems
- Low voltage motorization requires no costly electrical hard-wiring
- Motor located on right side within the headrail
- Powered with solar power kit, batteries, plug-in transformer, or multi-motor power supply
- Multiple shades on one headrail available; each panel will have a motor and power source
- Not available with bottom up/top down
- Not available with hold down or side mount brackets

Multiple Control Options Available

- Remote: convenient, portable control
- Wall switch: control shades/blinds when entering or exiting a room with the simple push of a button
- Timer: allows you to program operation at certain times of the day
 - Manage heat loss and gain automatically; a great way to reduce your energy bill in any season
 - Protect furniture from harmful UV rays
 - Improve security by making your home look occupied when you're away
- Automation interface: multiple interface options are available to allow your motorized lift shades to integrate with third party automation systems

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

Roman Size Considerations	Minimum Width* inches (cm)	Maximum Width inches (cm)	Minimum Height inches (cm)	Maximum Height inches (cm)
Roman Shades: Classic Flat or Looped	25½ (64.8) for smaller shades see below	144 (365.8)†	18 (45.8)	96 (243.9)

*For all inside mount applications, ¾" (1.0 cm) deduction is taken by manufacturer on overall width.

†Based on fabric width.

Side mount maximum width = 60" (152.4 cm).

For Shades Less Than Minimum Width

If Shade Width is at Least inches (cm)	Maximum Height of Shade inches (cm)
19½ (49.9) but less than 20 (50.8)	23½ (59.7)
20 (50.8) but less than 20½ (52.1)	28¼ (71.8)
20½ (52.1) but less than 21 (53.4)	34½ (87.7)
21 (53.4) but less than 21½ (54.7)	40¾ (103.9)
21½ (54.7) but less than 22 (55.9)	47¼ (119.7)
22 (55.9) but less than 22½ (57.2)	53¾ (135.6)
22½ (57.2) but less than 23 (58.5)	59¾ (151.5)
23 (58.5) but less than 23½ (59.7)	66 (167.7)
23½ (59.7) but less than 24 (61.0)	72¼ (183.6)
24 (61.0) but less than 24½ (62.3)	78½ (199.4)
24½ (62.3) but less than 25 (63.5)	84¾ (215.3)
25 (63.5) but less than 25½ (64.8)	91¼ (231.5)
25½ (64.8) or greater	96 (243.9)

Features and Size Considerations

Horizontal Blinds Motorized Tilt

Order Entry: Ring Lift with Motorized Tilt (m)



Refer to individual price list for specific option and size information for the product being ordered.

- Available with:** 2" (5.1 cm) Traditions® Wood Blinds
 2³/₈" (6.1 cm) Traditions Wood Blinds
 2" (5.1 cm) Elite Wood Blinds
 2³/₈" (6.1 cm) Elite Wood Blinds
 2" (5.1 cm) Traditions Composite Blinds
 2¹/₂" (6.4 cm) Traditions Composite Blinds
 2" (5.1 cm) Vinyl Blinds
 2" (5.1 cm) Grandeur™ Aluminum Blinds

Features

- Motorization will only tilt slats; raising or lowering the blind is manual with cord lift
- Provides easy operation of hard-to-reach or large window coverings
- A safer alternative to accessible cords that are traditionally used to operate window coverings; ideal for homes with children and pets
- Efficiently manages energy (heat gain and loss)
- Operate multiple window treatments simultaneously or individually
- Easily integrated with home automation systems
- Low voltage motorization requires no costly electrical hard-wiring
- Powered with battery, solar power kit, plug-in transformer, or multi-motor power supply
- Motor located on the left side within the headrail; cord lift is on the right side
- Not available with specialty shapes, hold down brackets, or multiple blinds on one headrail

Multiple Control Options Available

- Remote: convenient, portable control
- Wall switch: control blinds when entering or exiting a room with the simple push of a button
- Timer: allows you to program operation at certain times of the day
 - Manage heat loss and gain automatically; a great way to reduce your energy bill in any season
 - Protect furniture from harmful UV rays
 - Improve security by making your home look occupied when you're away
- Automation interface: multiple interface options are available to allow your motorized blinds to integrate with third party automation systems

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



Size Considerations	Minimum Width inches (cm)	Maximum Width inches (cm)	Minimum Height inches (cm)	Maximum Height inches (cm)	Maximum Size square inches (cm ²)
Wood/Composite Blinds	19 (48.3)	96 (243.9)	10 (25.4)	120 (304.8)	2" (5.1 cm) and 2 ³ / ₈ " (6.1 cm): 7,200 (46,451.5) 2 ¹ / ₂ " (6.4 cm): 6,480 (41,806.4)
2" (5.1 cm) Vinyl	19 (48.3)	84 (213.4)	9 ³ / ₈ (23.9)	108 (274.4)	7,200 (46,451.5)
2" (5.1 cm) Aluminum	19 (48.3)	84 (213.4)	9 ³ / ₈ (23.9)	126 (320.1)	7,200 (46,451.5)

EXAMPLE: 96" (243.9 cm) wide x 96" (243.9 cm) high = 9,216 square inches (59,457.9 cm²) (over maximum size)
 18" (45.8 cm) wide x 62" (157.5 cm) high = 1,116 square inches (7,200.0 cm²) (under minimum width)
 67" (170.2 cm) wide x 84" (213.4 cm) high = 5,628 square inches (36,309.6 cm²) (size is within acceptable range)

Features and Size Considerations

Tradewinds® Natural Shades Motorized Lift

Order Entry: 12V RTS R28 Motor or 24V RTS ST30 Motor



Refer to individual price list for specific option and size information for the product being ordered.

Features

- Allow for easy operation of hard-to-reach or large window coverings
- Efficiently manages energy (heat gain and loss)
- A safer alternative to accessible cords that are traditionally used to operate window coverings; ideal for homes with children and pets
- Low voltage motorization requires no costly electrical hard-wiring
- Powered with battery, solar power kit, plug-in transformer, or multi-motor power supply
- Available on standard Roman or old style Roman
- Available with multiple shades on one headrail; each panel will have a motor and power source
- Available with 9" (22.9 cm) standard valance, 9" (22.9 cm) premier valance, or 9" (22.9 cm) deco-trim valance
- Available with fabric edge banding, hem options, and liners
- Motor mounted to the underside of hardwood headrail on right side
- Not available with looped Roman, bottom up/top down, angle top, deco pocket and hem or hold down brackets
- Available with bottom corner and bottom center cut-outs

Multiple Control Options Available

- Remote: convenient, portable control
- Wall switch: control blinds when entering or exiting a room with the simple push of a button
- Timer: allows you to program operation at certain times of the day
 - Manage heat loss and gain automatically, a great way to reduce your energy bill in any season
 - Protect furniture from harmful UV rays
 - Improve security by making your home look occupied when you're away
- Automation interface: multiple interface options are available to allow your motorized lift shades to integrate with third party automation systems

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

Motorization Options	Yes	No
Standard Roman	•	
Old Style Roman	•	
Looped Roman		•
Bottom Up/Top Down		•
Angle Top		•
Multiple Shades on One Headrail	•	

Style	12 Volt Minimum Width inches (cm)	Maximum Size 12 Volt		24 Volt Minimum Width inches (cm)	Maximum Size 24 Volt	
		Shade square inches (cm ²)	With Liner square inches (cm ²)		Shade square inches (cm ²)	With Liner square inches (cm ²)
Inan, Lipo, Revelry, Serenity, Toushan II, Yunnan	18 (45.8)	2,755 (17,774.2)	2,333 (15,051.6)	22 (56.1)	3,821 (24,651.6)	3,235 (20,870.9)
Chencun	18 (45.8)	5,194 (33,509.6)	3,878 (25,019.3)	22 (56.1)	7,219 (46,574.1)	5,376 (34,683.8)
Amour, Boardwalk, Escape, Majian, Merino, Moniz	18 (45.8)	6,058 (39,083.8)	4,330 (27,935.4)	22 (56.1)	8,410 (54,258.0)	6,010 (38,774.1)
Beachfront, Madeira, Majuro, Meilin, Paralian	18 (45.8)	6,854 (44,219.3)	4,723 (30,470.9)	22 (56.1)	9,513 (61,374.1)	6,547 (42,238.6)
Azores, Satera, Terrestrial, Zishan	18 (45.8)	9,149 (59,025.7)	5,712 (36,851.5)	22 (56.1)	11,520 (74,322.4)	7,920 (51,096.7)

Features and Size Considerations

Artisan Soft Shades Motorized Lift

Order Entry: 12V RTS R28 Motor or 24V RTS ST30 Motor



Refer to individual price list for specific option and size information for the product being ordered.

Features

- Allow for easy operation of hard-to-reach or large window coverings
- Efficiently manages energy (heat gain and loss)
- A safer alternative to accessible cords that are traditionally used to operate window coverings; ideal for homes with children and pets
- Low voltage motorization requires no electrical hard-wiring
- Powered with battery, solar power kit, plug-in transformer, or multi-motor power supply
- Motor mounted to the underside of hardwood headrail on left or right side; standard on right
- Not available with balloon pleat, blackout liner, or multiple shades on one headrail

Multiple Control Options Available

- Remote: convenient, portable control
- Wall switch: control shades/blinds when entering or exiting a room with the simple push of a button
- Timer: allows you to program operation at certain times of the day
 - Manage heat loss and gain automatically; a great way to reduce your energy bill in any season
 - Protect furniture from harmful UV rays
 - Improve security by making your home look occupied when you're away
- Automation interface: multiple interface options are available to allow your motorized shades to integrate with third party automation systems

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

Size Considerations

Width		Height		
Minimum (inches)	Maximum (inches)	Minimum (inches)	Classic, Seamless, and Relaxed Shades Maximum (inches)	Looped Shades Maximum (inches)
24 (61.0)	96 (243.9)	18 (45.8)	120 (304.8)	103 (261.6)

Motorized Maximum Shade Area

Shade Group	12 Volt Motorized Lift			24 Volt Motorized Lift		
	Standard square inches (cm ²)	Thermal or Water Repellent square inches (cm ²)	Flannel-Back square inches (cm ²)	Standard square inches (cm ²)	Thermal or Water Repellent square inches (cm ²)	Flannel-Back square inches (cm ²)
1	6,800 (43,870.9)	6,010 (38,774.1)	5,300 (34,193.5)	10,465 (67,516.0)	9,940 (64,128.9)	8,400 (54,193.4)
2	5,612 (36,206.4)	4,958 (31,987.0)	4,600 (29,677.4)	9,120 (58,838.6)	8,860 (57,161.2)	7,500 (48,387.0)
3	4,758 (30,696.7)	4,338 (27,987.0)	4,000 (25,806.4)	8,100 (52,258.0)	8,000 (51,612.8)	6,700 (43,225.7)
4	3,894 (25,122.5)	3,812 (24,593.5)	3,400 (21,935.4)	7,450 (48,064.4)	7,300 (47,096.7)	5,800 (37,419.3)
5	3,318 (21,406.4)	3,230 (20,838.7)	2,840 (18,322.5)	6,700 (43,225.7)	6,610 (42,645.1)	5,200 (33,548.3)
6	N/A	N/A	N/A	N/A	N/A	N/A

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

EXAMPLE: 60" (152.4 cm) wide x 84" (213.4 cm) high = 5,040 square inches (32,516.1 cm²).

Features and Size Considerations

Mezzanine Layered Shades Motorized Lift

Order Entry: 12V RTS R28 Motor



Refer to individual price list for specific option and size information for the product being ordered.

Features

- Allow for easy operation of hard-to-reach or large window coverings
- Efficiently manages energy (heat gain and loss)
- A safer alternative to accessible cords that are traditionally used to operate window coverings; ideal for homes with children and pets
- Low voltage motorization requires no costly electrical hard-wiring
- Powered with battery, solar power kit, plug-in transformer, or multi-motor power supply
- Motor located on right or left side; standard on the right
- Fabric-wrapped cassette comes standard and creates a cohesive appearance in the window
- Not available with hold down brackets

Multiple Control Options Available

- Remote: convenient, portable control
- Wall switch: control blinds when entering or exiting a room with the simple push of a button
- Timer: allows you to program operation at certain times of the day
 - Manage heat loss and gain automatically, a great way to reduce your energy bill in any season
 - Protect furniture from harmful UV rays
 - Improve security by making your home look occupied when you're away
- Automation interface: multiple interface options are available to allow your motorized shades to integrate with third party automation systems

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

Light Gap			
Motor End		Idle End	
Inside Mount inches (cm)	Outside Mount inches (cm)	Inside Mount inches (cm)	Outside Mount inches (cm)
1 ¹ / ₁₆ (2.7)	1 (2.6)	3/4 (2.0)	1 ¹ / ₁₆ (1.8)

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

Size Considerations		
Style Name	Maximum Width* inches (cm)	Maximum Height* inches (cm)
Aravalli	96 (243.9)	52 (132.1)
Bernina	96 (243.9)	110 (279.4)
Cordillera	85 (215.9)	75 (190.5)
Crestones	97 (246.4)	84 (213.4)
Culebra	95 (241.3)	110 (279.4)
Glorieta	98 (249.0)	110 (279.4)
Glorieta Sheen	98 (249.0)	110 (279.4)
Herard	97 (246.4)	77 (195.6)
Vanoise	91 (231.2)	95 (241.3)
Venado	85 (215.9)	75 (190.5)

Minimum width: motorized lift 16" (40.7 cm).

Minimum length: 12" (30.5 cm) all control types.

*If the height is shorter than the maximum, a slightly larger width may be available to order. Maximum width is 102" (259.1 cm).

Features and Size Considerations

Overture Sheer Shades Motorized Lift

Order Entry: 12V RTS R28 Motor



Refer to individual base price list for specific option and size information for the product being ordered.

Features

- Allow for easy operation of hard-to-reach or large window coverings
- Efficiently manages energy (heat gain and loss)
- A safer alternative to accessible cords that are traditionally used to operate window coverings; ideal for homes with children and pets
- Low voltage motorization requires no costly electrical hard-wiring
- Powered with battery, solar power kit, plug-in transformer, or multi-motor power supply
- Motor located on right or left side; standard on the right
- Fabric-wrapped cassette comes standard and creates a cohesive appearance in the window
- Not available with hold down brackets

Multiple Control Options Available

- Remote: convenient, portable control
- Wall switch: control blinds when entering or exiting a room with the simple push of a button
- Timer: allows you to program operation at certain times of the day
 - Manage heat loss and gain automatically, a great way to reduce your energy bill in any season
 - Protect furniture from harmful UV rays
 - Improve security by making your home look occupied when you're away
- Automation interface: multiple interface options are available to allow your motorized lift shades to integrate with third party automation systems

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

Light Gap			
Motor End		Idle End	
Inside Mount inches (cm)	Outside Mount inches (cm)	Inside Mount inches (cm)	Outside Mount inches (cm)
1 (2.6)	¹⁵ / ₁₆ (2.4)	¹¹ / ₁₆ (1.8)	⁵ / ₈ (1.6)

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

Size Considerations		
Style Name	Maximum Width* inches (cm)	Maximum Height* inches (cm)
Glessner 2" (5.1 cm)	96 (243.9)	105 (266.7)
Glessner Sheen 2" (5.1 cm)	98 (249.0)	110 (279.4)
Glessner Woven 2" (5.1 cm)	96 (243.9)	110 (279.4)
Glessner 3" (7.7 cm)	96 (243.9)	105 (266.7)
Glessner Sheen 3" (7.7 cm)	98 (249.0)	110 (279.4)
Glessner Woven 3" (7.7 cm)	96 (243.9)	110 (279.4)
Marisco 2" (5.1 cm)	94 (238.8)	99 (251.5)
Marisco 2 ³ / ₄ " (7.0 cm)	94 (238.8)	98 (249.0)
San Simeon 3" (7.7 cm)	96 (243.9)	65 (165.1)
Roslin	94 (238.8)	75 (190.5)
Winchester	97 (246.4)	87 (221.0)
Winchester Sheen	102 (259.1)	69 (175.3)
Winchester Woven	97 (246.4)	87 (221.0)

Minimum width: motorized lift 16" (40.7 cm).

Minimum length: 12" (30.5 cm) all control types.

*If the height is shorter than the maximum, a slightly larger width may be available to order. Maximum width is 102" (259.1 cm).

Features and Size Considerations

LightWeaves® Roller and Solar Shades Motorized Lift

Order Entry: 12V RTS R28 Motor, 24V RTS ST30 Motor, 120V RTS ST40 Motor, or 120V RTS ST40 Motor



Refer to individual base price list for specific option and size information for the product being ordered.

Features

- Allow for easy operation of hard-to-reach or large window coverings
- Efficiently manages energy (heat gain and loss)
- A safer alternative to accessible cords that are traditionally used to operate window coverings; ideal for homes with children and pets
- Low voltage motorization requires no costly electrical hard-wiring
- Powered with battery, solar power kit, plug-in transformer, or multi-motor power supply
- Line voltage has multiple wiring options and is ideal for large interior solar shades
- Not available with hold down brackets
- Available with standard or reverse roll; cassette, fascia, and contour valance only available with standard roll
- Available with side channels with sealed hem bar only
- Motor located on the left or right side; standard on the right

Multiple Control Options Available

- Remote: convenient, portable control
- Wall switch: control shades when entering or exiting a room with the simple push of a button
- Timer: allows you to program operation at certain times of the day
 - Manage heat loss and gain automatically; a great way to reduce your energy bill in any season
 - Protect furniture from harmful UV rays
 - Improve security by making your home look occupied when you're away
- Automation interface: multiple interface options are available to allow your motorized lift shades to integrate with third party automation systems

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

Light Gap	
Control Type	Light Gap per Side inches (cm)
Motorized Lift	$\frac{5}{16}$ to $1\frac{1}{8}$ (1.5 to 2.9)
Motorized Lift with Cassette	$\frac{5}{16}$ to $1\frac{1}{4}$ (1.5 to 3.2)
Dual Motorized Lift	$\frac{5}{16}$ to $\frac{7}{8}$ (1.5 to 2.3)
Dual Motorized Lift with Cassette	$\frac{5}{16}$ to 1 (1.5 to 2.6)
Exterior Motorized Lift	1 to $1\frac{5}{16}$ (2.6 to 3.4)

Size Considerations		
Motor Type	Minimum Width inches (cm)	Minimum Height inches (cm)
12 Volt	16 (40.7)	13 (33.1)
24 Volt	20 (50.8)	13 (33.1)
Interior 120 Volt Standard	23 (58.5)	13 (33.1)
Interior 120 Volt RTS	24.5 (62.3)	13 (33.1)
Exterior 120 Volt RTS	32 (81.3)	13 (33.1)

NOTE: See size charts on following pages.

Features and Size Considerations

Minimum Width: 16" (40.6 cm)
Minimum Height: 13" (33.0 cm)

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		Large Cassette/ Contour Valance/ No Cassette/ No Valance		3" (7.7 cm) Fascia		4" (10.2 cm) Fascia		Small Cassette		Medium Cassette		Large Cassette/ Contour Valance/ No Cassette/ No Valance at Maximum Width		3" (7.7 cm) Fascia		4" (10.2 cm) Fascia	
Fabric	Width (cm)	Height (cm)	Width (cm)	Height (cm)	Width (cm)	Height (cm)	Width (cm)	Height (cm)	Width (cm)	Height (cm)	Width (cm)	Height (cm)	Width (cm)	Height (cm)	Width (cm)	Height (cm)	Width (cm)	Height (cm)	Width (cm)	Height (cm)
Kismet	71 (180.4)	84 (213.4)	78 (198.2)	124 (315.0)	78 (198.2)	124 (315.0)	81 (205.8)	100 (254.0)	78 (198.2)	124 (315.0)	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Merit	75 (190.5)	93 (236.3)	73 (185.5)	108 (274.4)	73 (185.5)	108 (274.4)	73 (185.5)	108 (274.4)	73 (185.5)	108 (274.4)	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Monaco	77 (195.6)	144 (365.8)	77 (195.6)	144 (365.8)	77 (195.6)	144 (365.8)	77 (195.6)	144 (365.8)	77 (195.6)	144 (365.8)	86 (218.5)	68 (172.8)	86 (218.5)	68 (172.8)	86 (218.5)	66 (167.7)	86 (218.5)	68 (172.8)	86 (218.5)	68 (172.8)
Monticello	71 (180.4)	70 (177.8)	77 (195.6)	107 (271.8)	75 (190.5)	125 (317.5)	82 (208.3)	83 (210.9)	75 (190.5)	125 (317.5)	71 (180.4)	70 (177.8)	81 (205.8)	86 (218.5)	81 (205.8)	86 (218.5)	82 (208.3)	83 (210.9)	81 (205.8)	86 (218.5)
Opulent	88 (223.6)	133 (337.9)	88 (223.6)	133 (337.9)	88 (223.6)	133 (337.9)	88 (223.6)	133 (337.9)	88 (223.6)	133 (337.9)	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Parasades	76 (193.1)	118 (299.8)	88 (223.6)	132 (335.3)	88 (223.6)	132 (335.3)	88 (223.6)	132 (335.3)	88 (223.6)	132 (335.3)	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Paradigm	75 (190.5)	79 (200.7)	82 (208.3)	121 (307.4)	82 (208.3)	123 (312.5)	86 (218.5)	94 (238.6)	82 (208.3)	123 (312.5)	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Plexus 1%	68 (172.8)	72 (182.9)	74 (188.0)	109 (276.9)	74 (188.0)	109 (276.9)	78 (198.2)	86 (218.5)	74 (188.0)	109 (276.9)	68 (172.8)	72 (182.9)	74 (188.0)	109 (276.9)	74 (188.0)	109 (276.9)	78 (198.2)	86 (218.5)	74 (188.0)	109 (276.9)
Plexus 3%	69 (175.3)	76 (193.1)	75 (190.5)	112 (284.5)	75 (190.5)	112 (284.5)	78 (198.2)	91 (231.2)	75 (190.5)	112 (284.5)	69 (175.3)	76 (193.1)	75 (190.5)	112 (284.5)	75 (190.5)	112 (284.5)	78 (198.2)	91 (231.2)	75 (190.5)	112 (284.5)
Plexus 5%	68 (172.8)	84 (213.4)	75 (190.5)	122 (309.9)	75 (190.5)	122 (309.9)	78 (198.2)	100 (254.0)	75 (190.5)	122 (309.9)	68 (172.8)	84 (213.4)	75 (190.5)	122 (309.9)	75 (190.5)	122 (309.9)	78 (198.2)	100 (254.0)	75 (190.5)	122 (309.9)
Prairie	90 (228.6)	123 (312.5)	89 (226.1)	132 (335.3)	89 (226.1)	132 (335.3)	89 (226.1)	132 (335.3)	89 (226.1)	132 (335.3)	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Prodigy	56 (142.3)	72 (182.9)	61 (155.0)	111 (282.0)	60 (152.4)	122 (309.9)	64 (162.6)	86 (218.5)	60 (152.4)	122 (309.9)	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Reaction	85 (215.9)	93 (236.3)	80 (203.2)	125 (317.5)	80 (203.2)	125 (317.5)	80 (203.2)	125 (317.5)	80 (203.2)	125 (317.5)	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Resolve	71 (180.4)	100 (254.0)	80 (203.2)	127 (322.6)	80 (203.2)	127 (322.6)	81 (205.8)	119 (302.3)	80 (203.2)	127 (322.6)	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Riverbend	72 (182.9)	79 (200.7)	72 (182.9)	121 (307.4)	72 (182.9)	144 (365.8)	72 (182.9)	107 (271.8)	72 (182.9)	144 (365.8)	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Ruijin	72 (182.9)	33 (83.9)	72 (182.9)	59 (149.9)	72 (182.9)	121 (307.4)	72 (182.9)	47 (119.4)	72 (182.9)	97 (246.4)	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Sedona	72 (182.9)	109 (276.9)	72 (182.9)	144 (365.8)	72 (182.9)	144 (365.8)	72 (182.9)	144 (365.8)	72 (182.9)	144 (365.8)	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Shadow	84 (213.4)	97 (246.4)	80 (203.2)	123 (312.5)	80 (203.2)	123 (312.5)	80 (203.2)	123 (312.5)	80 (203.2)	123 (312.5)	99 (251.5)	62 (157.5)	99 (251.5)	62 (157.5)	99 (251.5)	62 (157.5)	99 (251.5)	62 (157.5)	99 (251.5)	62 (157.5)
Sheffield	81 (205.8)	118 (299.8)	95 (241.3)	120 (304.8)	95 (241.3)	120 (304.8)	95 (241.3)	120 (304.8)	95 (241.3)	120 (304.8)	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Standard Weave 1%	82 (208.3)	89 (226.1)	77 (195.6)	125 (317.5)	77 (195.6)	125 (317.5)	77 (195.6)	125 (317.5)	77 (195.6)	125 (317.5)	82 (208.3)	89 (226.1)	77 (195.6)	125 (317.5)	77 (195.6)	125 (317.5)	77 (195.6)	125 (317.5)	77 (195.6)	125 (317.5)
Standard Weave 3%	83 (210.9)	89 (226.1)	78 (198.2)	124 (315.0)	78 (198.2)	124 (315.0)	78 (198.2)	124 (315.0)	78 (198.2)	124 (315.0)	83 (210.9)	89 (226.1)	78 (198.2)	124 (315.0)	78 (198.2)	124 (315.0)	78 (198.2)	124 (315.0)	78 (198.2)	124 (315.0)
Standard Weave 5%	83 (210.9)	97 (246.4)	79 (200.7)	124 (315.0)	79 (200.7)	124 (315.0)	79 (200.7)	124 (315.0)	79 (200.7)	124 (315.0)	83 (210.9)	97 (246.4)	79 (200.7)	124 (315.0)	79 (200.7)	124 (315.0)	79 (200.7)	124 (315.0)	79 (200.7)	124 (315.0)
Standard Weave 10%	84 (213.4)	101 (256.6)	81 (205.8)	120 (304.8)	81 (205.8)	120 (304.8)	81 (205.8)	120 (304.8)	81 (205.8)	120 (304.8)	84 (213.4)	101 (256.6)	81 (205.8)	120 (304.8)	81 (205.8)	120 (304.8)	81 (205.8)	120 (304.8)	81 (205.8)	120 (304.8)
Suburban II	72 (182.9)	144 (365.8)	72 (182.9)	144 (365.8)	72 (182.9)	144 (365.8)	72 (182.9)	144 (365.8)	72 (182.9)	144 (365.8)	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Vanguard 1%	82 (208.3)	89 (226.1)	77 (195.6)	125 (317.5)	77 (195.6)	125 (317.5)	77 (195.6)	125 (317.5)	77 (195.6)	125 (317.5)	82 (208.3)	89 (226.1)	77 (195.6)	125 (317.5)	77 (195.6)	125 (317.5)	77 (195.6)	125 (317.5)	77 (195.6)	125 (317.5)
Vanguard 3%	83 (210.9)	89 (226.1)	78 (198.2)	124 (315.0)	78 (198.2)	124 (315.0)	78 (198.2)	124 (315.0)	78 (198.2)	124 (315.0)	83 (210.9)	89 (226.1)	78 (198.2)	124 (315.0)	78 (198.2)	124 (315.0)	78 (198.2)	124 (315.0)	78 (198.2)	124 (315.0)
Vanguard 5%	83 (210.9)	97 (246.4)	79 (200.7)	124 (315.0)	79 (200.7)	124 (315.0)	79 (200.7)	124 (315.0)	79 (200.7)	124 (315.0)	83 (210.9)	97 (246.4)	79 (200.7)	124 (315.0)	79 (200.7)	124 (315.0)	79 (200.7)	124 (315.0)	79 (200.7)	124 (315.0)
Venture	62 (157.5)	88 (223.6)	71 (180.4)	104 (264.2)	71 (180.4)	104 (264.2)	71 (180.4)	104 (264.2)	71 (180.4)	104 (264.2)	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Whitcomb	90 (228.6)	118 (299.8)	89 (226.1)	133 (337.9)	89 (226.1)	133 (337.9)	89 (226.1)	133 (337.9)	89 (226.1)	133 (337.9)	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Whitehall	87 (221.0)	106 (269.3)	82 (208.3)	144 (365.8)	82 (208.3)	144 (365.8)	82 (208.3)	144 (365.8)	82 (208.3)	144 (365.8)	77 (195.6)	84 (213.4)	77 (195.6)	84 (213.4)	77 (195.6)	84 (213.4)	77 (195.6)	84 (213.4)	77 (195.6)	84 (213.4)

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.

Features and Size Considerations

120 Volt Standard

Minimum Width: 23" (58.5 cm)
Minimum Height: 13" (33.0 cm)

120 Volt RTS

Minimum Width: 24.5" (62.3 cm)
Minimum Height: 13" (33.0 cm)

Roller and Solar Shades: 120 Volt Motor Maximum Shade Size

Valance Type	Normal Fabric Orientation												Fabric Turned Width for Height (railroaded)																			
	Medium Cassette				Large Cassette/Contour Valance/No Valance				3" (7.7 cm) Fascia				4" (10.2 cm) Fascia				Medium Cassette				Large Cassette/Contour Valance/No Valance				Large Cassette/Contour Valance/No Valance at Maximum Width				3" (7.7 cm) Fascia		4" (10.2 cm) Fascia	
	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)
Allure	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)
Arboretum BO	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	85 (215.9)	92 (233.7)	144 (365.8)	92 (233.7)	85 (215.9)	92 (233.7)	144 (365.8)	92 (233.7)	85 (215.9)	92 (233.7)	144 (365.8)	92 (233.7)	85 (215.9)	92 (233.7)	144 (365.8)	92 (233.7)	85 (215.9)	92 (233.7)	144 (365.8)	92 (233.7)	85 (215.9)	92 (233.7)	144 (365.8)	92 (233.7)	85 (215.9)	92 (233.7)	144 (365.8)
Arboretum LF	92 (233.7)	144 (365.8)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)
Banquet	85 (215.9)	144 (365.8)	85 (215.9)	144 (365.8)	85 (215.9)	124 (315.0)	85 (215.9)	144 (365.8)	85 (215.9)	124 (315.0)	85 (215.9)	144 (365.8)	85 (215.9)	124 (315.0)	85 (215.9)	144 (365.8)	85 (215.9)	124 (315.0)	85 (215.9)	144 (365.8)	85 (215.9)	124 (315.0)	85 (215.9)	144 (365.8)	85 (215.9)	124 (315.0)	85 (215.9)	144 (365.8)	85 (215.9)	124 (315.0)	85 (215.9)	144 (365.8)
Broadcast	114 (289.6)	74 (188.0)	117 (297.2)	144 (365.8)	117 (297.2)	49 (124.5)	117 (297.2)	144 (365.8)	117 (297.2)	49 (124.5)	117 (297.2)	144 (365.8)	117 (297.2)	49 (124.5)	117 (297.2)	144 (365.8)	117 (297.2)	49 (124.5)	117 (297.2)	144 (365.8)	117 (297.2)	49 (124.5)	117 (297.2)	144 (365.8)	117 (297.2)	49 (124.5)	117 (297.2)	144 (365.8)	117 (297.2)	144 (365.8)	117 (297.2)	144 (365.8)
Cambridge LF 76" (193.1 cm) (Ivory)	77 (195.6)	144 (365.8)	77 (195.6)	144 (365.8)	77 (195.6)	132 (335.3)	77 (195.6)	144 (365.8)	77 (195.6)	132 (335.3)	77 (195.6)	144 (365.8)	77 (195.6)	132 (335.3)	77 (195.6)	144 (365.8)	77 (195.6)	132 (335.3)	77 (195.6)	144 (365.8)	77 (195.6)	132 (335.3)	77 (195.6)	144 (365.8)	77 (195.6)	132 (335.3)	77 (195.6)	144 (365.8)	77 (195.6)	132 (335.3)	77 (195.6)	144 (365.8)
Cambridge LF 92" (233.7 cm) (Clay, Cocoa Bean, Inkwell, Misty, Off White, White)	92 (233.7)	144 (365.8)	92 (233.7)	144 (365.8)	92 (233.7)	132 (335.3)	92 (233.7)	144 (365.8)	92 (233.7)	132 (335.3)	92 (233.7)	144 (365.8)	92 (233.7)	132 (335.3)	92 (233.7)	144 (365.8)	92 (233.7)	132 (335.3)	92 (233.7)	144 (365.8)	92 (233.7)	132 (335.3)	92 (233.7)	144 (365.8)	92 (233.7)	132 (335.3)	92 (233.7)	144 (365.8)	92 (233.7)	132 (335.3)	92 (233.7)	144 (365.8)
Cambridge RD 76" (193.1 cm) (Ivory)	77 (195.6)	143 (363.3)	77 (195.6)	144 (365.8)	77 (195.6)	98 (249.0)	77 (195.6)	144 (365.8)	77 (195.6)	98 (249.0)	77 (195.6)	144 (365.8)	77 (195.6)	98 (249.0)	77 (195.6)	144 (365.8)	77 (195.6)	98 (249.0)	77 (195.6)	144 (365.8)	77 (195.6)	98 (249.0)	77 (195.6)	144 (365.8)	77 (195.6)	98 (249.0)	77 (195.6)	144 (365.8)	77 (195.6)	144 (365.8)	77 (195.6)	144 (365.8)
Cambridge RD 92" (233.7 cm) (Clay, Cocoa Bean, Inkwell, Misty, Off White, White)	92 (233.7)	143 (363.3)	92 (233.7)	144 (365.8)	92 (233.7)	98 (249.0)	92 (233.7)	144 (365.8)	92 (233.7)	98 (249.0)	92 (233.7)	144 (365.8)	92 (233.7)	98 (249.0)	92 (233.7)	144 (365.8)	92 (233.7)	98 (249.0)	92 (233.7)	144 (365.8)	92 (233.7)	98 (249.0)	92 (233.7)	144 (365.8)	92 (233.7)	98 (249.0)	92 (233.7)	144 (365.8)	92 (233.7)	144 (365.8)	92 (233.7)	144 (365.8)
Capri	71 (180.4)	109 (276.9)	71 (180.4)	144 (365.8)	71 (180.4)	74 (188.0)	71 (180.4)	144 (365.8)	71 (180.4)	74 (188.0)	71 (180.4)	144 (365.8)	71 (180.4)	74 (188.0)	71 (180.4)	144 (365.8)	71 (180.4)	74 (188.0)	71 (180.4)	144 (365.8)	71 (180.4)	74 (188.0)	71 (180.4)	144 (365.8)	71 (180.4)	74 (188.0)	71 (180.4)	144 (365.8)	71 (180.4)	144 (365.8)	71 (180.4)	144 (365.8)
Chronicles	97 (246.4)	119 (302.3)	97 (246.4)	144 (365.8)	97 (246.4)	81 (205.8)	97 (246.4)	144 (365.8)	97 (246.4)	81 (205.8)	97 (246.4)	144 (365.8)	97 (246.4)	81 (205.8)	97 (246.4)	144 (365.8)	97 (246.4)	81 (205.8)	97 (246.4)	144 (365.8)	97 (246.4)	81 (205.8)	97 (246.4)	144 (365.8)	97 (246.4)	81 (205.8)	97 (246.4)	144 (365.8)	97 (246.4)	144 (365.8)	97 (246.4)	144 (365.8)
Complex	97 (246.4)	87 (221.0)	97 (246.4)	144 (365.8)	97 (246.4)	59 (149.9)	97 (246.4)	144 (365.8)	97 (246.4)	59 (149.9)	97 (246.4)	144 (365.8)	97 (246.4)	59 (149.9)	97 (246.4)	144 (365.8)	97 (246.4)	59 (149.9)	97 (246.4)	144 (365.8)	97 (246.4)	59 (149.9)	97 (246.4)	144 (365.8)	97 (246.4)	59 (149.9)	97 (246.4)	144 (365.8)	97 (246.4)	144 (365.8)	97 (246.4)	144 (365.8)
Crossweave	72 (182.9)	124 (315.0)	72 (182.9)	144 (365.8)	72 (182.9)	85 (215.9)	72 (182.9)	144 (365.8)	72 (182.9)	85 (215.9)	72 (182.9)	144 (365.8)	72 (182.9)	85 (215.9)	72 (182.9)	144 (365.8)	72 (182.9)	85 (215.9)	72 (182.9)	144 (365.8)	72 (182.9)	85 (215.9)	72 (182.9)	144 (365.8)	72 (182.9)	85 (215.9)	72 (182.9)	144 (365.8)	72 (182.9)	144 (365.8)	72 (182.9)	144 (365.8)
Crystalline	77 (195.6)	144 (365.8)	77 (195.6)	144 (365.8)	77 (195.6)	132 (335.3)	77 (195.6)	144 (365.8)	77 (195.6)	132 (335.3)	77 (195.6)	144 (365.8)	77 (195.6)	132 (335.3)	77 (195.6)	144 (365.8)	77 (195.6)	132 (335.3)	77 (195.6)	144 (365.8)	77 (195.6)	132 (335.3)	77 (195.6)	144 (365.8)	77 (195.6)	132 (335.3)	77 (195.6)	144 (365.8)	77 (195.6)	144 (365.8)	77 (195.6)	144 (365.8)
Cumulus	97 (246.4)	87 (221.0)	97 (246.4)	144 (365.8)	97 (246.4)	59 (149.9)	97 (246.4)	144 (365.8)	97 (246.4)	59 (149.9)	97 (246.4)	144 (365.8)	97 (246.4)	59 (149.9)	97 (246.4)	144 (365.8)	97 (246.4)	59 (149.9)	97 (246.4)	144 (365.8)	97 (246.4)	59 (149.9)	97 (246.4)	144 (365.8)	97 (246.4)	59 (149.9)	97 (246.4)	144 (365.8)	97 (246.4)	144 (365.8)	97 (246.4)	144 (365.8)
Elements	108 (274.4)	105 (266.7)	108 (274.4)	144 (365.8)	108 (274.4)	71 (180.4)	108 (274.4)	144 (365.8)	108 (274.4)	71 (180.4)	108 (274.4)	144 (365.8)	108 (274.4)	71 (180.4)	108 (274.4)	144 (365.8)	108 (274.4)	71 (180.4)	108 (274.4)	144 (365.8)	108 (274.4)	71 (180.4)	108 (274.4)	144 (365.8)	108 (274.4)	71 (180.4)	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)
Empire	92 (233.7)	144 (365.8)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	144 (365.8)	92 (233.7)	144 (365.8)
Epitome	70 (177.8)	61 (155.0)	70 (177.8)	144 (365.8)	70 (177.8)	40 (101.6)	70 (177.8)	144 (365.8)	70 (177.8)	40 (101.6)	70 (177.8)	144 (365.8)	70 (177.8)	40 (101.6)	70 (177.8)	144 (365.8)	70 (177.8)	40 (101.6)	70 (177.8)	144 (365.8)	70 (177.8)	40 (101.6)	70 (177.8)	144 (365.8)	70 (177.8)	40 (101.6)	70 (177.8)	144 (365.8)	70 (177.8)	144 (365.8)	70 (177.8)	144 (365.8)
Essential	70 (177.8)	144 (365.8)	70 (177.8)	144 (365.8)	70 (177.8)	144 (365.8)	70 (177.8)	144 (365.8)	70 (177.8)	144 (365.8)	70 (177.8)	144 (365.8)	70 (177.8)	144 (365.8)	70 (177.8)	144 (365.8)	70 (177.8)	144 (365.8)	70 (177.8)	144 (365.8)	70 (177.8)	144 (365.8)	70 (177.8)	144 (365.8)	70 (177.8)	144 (365.8)	70 (177.8)	144 (365.8)	70 (177.8)	144 (365.8)	70 (177.8)	144 (365.8)
Exposition	97 (246.4)	68 (172.8)	97 (246.4)	144 (365.8)	97 (246.4)	45 (114.3)	97 (246.4)	144 (365.8)	97 (246.4)	45 (114.3)	97 (246.4)	144 (365.8)	97 (246.4)	45 (114.3)	97 (246.4)	144 (365.8)	97 (246.4)	45 (114.3)	97 (246.4)	144 (365.8)	97 (246.4)	45 (114.3)	97 (246.4)	144 (365.8)	97 (246.4)	45 (114.3)	97 (246.4)	144 (365.8)	97 (246.4)	144 (365.8)	97 (246.4)	144 (365.8)
Guildhall	97 (246.4)	101 (256.6)	97 (246.4)	144 (365.8)	97 (246.4)	68 (172.8)	97 (246.4)	144 (365.8)	97 (246.4)	68 (172.8)	97 (246.4)	144 (365.8)	97 (246.4)	68 (172.8)	97 (246.4)	144 (365.8)	97 (246.4)	68 (172.8)	97 (246.4)	144 (365.8)	97 (246.4)	68 (172.8)	97 (246.4)	144 (365.8)	97 (246.4)	68 (172.8)	97 (246.4)	144 (365.8)	97 (246.4)	144 (365.8)	97 (246.4)	144 (365.8)
Harmony	92 (233.7)	144 (365.8)	92 (233.7)	144 (365.8)	92 (233.7)	116 (294.7)	92 (233.7)	144 (365.8)	92 (233.7)	116 (294.7)	92 (233.7)	144 (365.8)	92 (233.7)	116 (294.7)	92 (233.7)	144 (365.8)	92 (233.7)	116 (294.7)	92 (233.7)	144 (365.8)	92 (233.7)	116 (294.7)	92 (233.7)	144 (365.8)	92 (233.7)	116 (294.7)	92 (233.7)	144 (365.8)	92 (233.7)	144 (365.8)	92 (233.7)	144 (365.8)
Herald	92 (233.7)	144 (365.8)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	124 (315.0)	92 (233.7)	144 (365.8)	92 (233.7)	144 (365.8)	92 (233.7)	144 (365.8)

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

Features and Size Considerations

120 Volt RTS

Minimum Width: 24.5" (62.3 cm)
Minimum Height: 13" (33.0 cm)

120 Volt Standard

Minimum Width: 23" (58.5 cm)
Minimum Height: 13" (33.0 cm)

Roller and Solar Shades: 120 Volt Motor Maximum Shade Size

Valance Type	Normal Fabric Orientation						Fabric Turned Width for Height (railroaded)									
	Medium Cassette		Large Cassette/ Contour Valance/ No Cassette/ No Valance		3" (7.7 cm) Fascia		4" (10.2 cm) Fascia		Medium Cassette		Large Cassette/ Contour Valance/ No Cassette/ No Valance		3" (7.7 cm) Fascia		4" (10.2 cm) Fascia	
Fabric	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)
Kismet	97 (246.4)	87 (221.0)	97 (246.4)	144 (365.8)	97 (246.4)	59 (149.9)	97 (246.4)	144 (365.8)	97 (246.4)	144 (365.8)	Not available	Not available	Not available	Not available	Not available	Not available
Merit	97 (246.4)	119 (302.3)	97 (246.4)	144 (365.8)	97 (246.4)	81 (205.8)	97 (246.4)	144 (365.8)	97 (246.4)	144 (365.8)	Not available	Not available	Not available	Not available	Not available	Not available
Monaco	77 (195.6)	144 (365.8)	77 (195.6)	144 (365.8)	77 (195.6)	144 (365.8)	77 (195.6)	144 (365.8)	77 (195.6)	144 (365.8)	134 (340.4)	63 (160.1)	134 (340.4)	63 (160.1)	134 (340.4)	63 (160.1)
Monticello	97 (246.4)	72 (182.9)	97 (246.4)	144 (365.8)	97 (246.4)	48 (122.0)	97 (246.4)	144 (365.8)	97 (246.4)	144 (365.8)	111 (282.0)	83 (210.9)	122 (309.9)	48 (122.0)	111 (282.0)	83 (210.9)
Opulent	96 (243.9)	144 (365.8)	96 (243.9)	144 (365.8)	96 (243.9)	144 (365.8)	96 (243.9)	144 (365.8)	96 (243.9)	144 (365.8)	Not available	Not available	Not available	Not available	Not available	Not available
Parasades	116 (294.7)	82 (315.0)	116 (294.7)	144 (365.8)	116 (294.7)	85 (215.9)	116 (294.7)	144 (365.8)	116 (294.7)	144 (365.8)	Not available	Not available	Not available	Not available	Not available	Not available
Paradigm	97 (246.4)	82 (208.3)	97 (246.4)	144 (365.8)	97 (246.4)	55 (139.7)	97 (246.4)	144 (365.8)	97 (246.4)	144 (365.8)	Not available	Not available	Not available	Not available	Not available	Not available
Plexus 1%	110 (279.4)	74 (188.0)	117 (297.2)	144 (365.8)	117 (297.2)	49 (124.5)	97 (246.4)	134 (340.4)	110 (279.4)	74 (188.0)	130 (330.2)	144 (365.8)	118 (299.8)	49 (124.5)	97 (246.4)	134 (340.4)
Plexus 3%	110 (279.4)	79 (200.7)	117 (297.2)	144 (365.8)	117 (297.2)	53 (134.7)	117 (297.2)	114 (289.6)	110 (279.4)	79 (200.7)	132 (335.3)	144 (365.8)	118 (299.8)	53 (134.7)	138 (350.6)	114 (289.6)
Plexus 5%	110 (279.4)	87 (221.0)	117 (297.2)	144 (365.8)	117 (297.2)	59 (149.9)	117 (297.2)	126 (320.1)	110 (279.4)	87 (221.0)	134 (340.4)	144 (365.8)	118 (299.8)	59 (149.9)	138 (350.6)	126 (320.1)
Prairie	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)	108 (274.4)	110 (279.4)	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)	Not available	Not available	Not available	Not available	Not available	Not available
Prodigy	90 (228.6)	74 (188.0)	96 (243.9)	144 (365.8)	95 (241.3)	49 (124.5)	96 (243.9)	108 (274.4)	90 (228.6)	74 (188.0)	108 (274.4)	144 (365.8)	118 (299.8)	49 (124.5)	97 (246.4)	134 (340.4)
Reaction	97 (246.4)	119 (302.3)	97 (246.4)	144 (365.8)	97 (246.4)	81 (205.8)	97 (246.4)	144 (365.8)	97 (246.4)	144 (365.8)	Not available	Not available	Not available	Not available	Not available	Not available
Resolve	97 (246.4)	105 (266.7)	97 (246.4)	144 (365.8)	97 (246.4)	71 (180.4)	97 (246.4)	144 (365.8)	97 (246.4)	144 (365.8)	Not available	Not available	Not available	Not available	Not available	Not available
Riverbend	72 (182.9)	82 (208.3)	72 (182.9)	144 (365.8)	72 (182.9)	55 (139.7)	72 (182.9)	144 (365.8)	72 (182.9)	144 (365.8)	Not available	Not available	Not available	Not available	Not available	Not available
Ruijin	72 (182.9)	32 (81.3)	72 (182.9)	101 (256.6)	72 (182.9)	19 (48.3)	72 (182.9)	77 (195.6)	72 (182.9)	144 (365.8)	Not available	Not available	Not available	Not available	Not available	Not available
Sedona	72 (182.9)	114 (289.6)	72 (182.9)	144 (365.8)	72 (182.9)	78 (198.2)	72 (182.9)	144 (365.8)	72 (182.9)	144 (365.8)	132 (335.3)	59 (149.9)	132 (335.3)	59 (149.9)	132 (335.3)	59 (149.9)
Shadow	109 (276.9)	124 (315.0)	120 (304.8)	144 (365.8)	116 (294.7)	85 (215.9)	120 (304.8)	144 (365.8)	109 (276.9)	124 (315.0)	Not available	Not available	Not available	Not available	Not available	Not available
Sheffield	108 (274.4)	124 (315.0)	108 (274.4)	144 (365.8)	108 (274.4)	85 (215.9)	108 (274.4)	144 (365.8)	108 (274.4)	124 (315.0)	Not available	Not available	Not available	Not available	Not available	Not available
Standard Weave 1%	107 (271.8)	114 (289.6)	117 (297.2)	144 (365.8)	115 (292.1)	78 (198.2)	117 (297.2)	144 (365.8)	107 (271.8)	114 (289.6)	138 (350.6)	144 (365.8)	115 (292.1)	78 (198.2)	138 (350.6)	144 (365.8)
Standard Weave 3%	108 (274.4)	114 (289.6)	117 (297.2)	144 (365.8)	116 (294.7)	78 (198.2)	117 (297.2)	144 (365.8)	108 (274.4)	114 (289.6)	139 (353.1)	144 (365.8)	116 (294.7)	78 (198.2)	139 (353.1)	144 (365.8)
Standard Weave 5%	108 (274.4)	124 (315.0)	117 (297.2)	144 (365.8)	115 (292.1)	85 (215.9)	117 (297.2)	144 (365.8)	108 (274.4)	124 (315.0)	140 (355.6)	144 (365.8)	115 (292.1)	85 (215.9)	140 (355.6)	144 (365.8)
Standard Weave 10%	108 (274.4)	130 (330.2)	117 (297.2)	144 (365.8)	116 (294.7)	89 (226.1)	117 (297.2)	144 (365.8)	108 (274.4)	130 (330.2)	142 (360.7)	144 (365.8)	116 (294.7)	89 (226.1)	142 (360.7)	144 (365.8)
Suburban II	72 (182.9)	144 (365.8)	72 (182.9)	144 (365.8)	72 (182.9)	132 (335.3)	72 (182.9)	144 (365.8)	133 (337.9)	59 (149.9)	133 (337.9)	55 (139.7)	133 (337.9)	59 (149.9)	133 (337.9)	59 (149.9)
Vanguard 1%	107 (271.8)	114 (289.6)	117 (297.2)	144 (365.8)	115 (292.1)	78 (198.2)	117 (297.2)	144 (365.8)	107 (271.8)	114 (289.6)	138 (350.6)	144 (365.8)	115 (292.1)	78 (198.2)	138 (350.6)	144 (365.8)
Vanguard 3%	108 (274.4)	114 (289.6)	117 (297.2)	144 (365.8)	116 (294.7)	78 (198.2)	117 (297.2)	144 (365.8)	108 (274.4)	114 (289.6)	139 (353.1)	144 (365.8)	116 (294.7)	78 (198.2)	139 (353.1)	144 (365.8)
Vanguard 5%	108 (274.4)	124 (315.0)	117 (297.2)	144 (365.8)	115 (292.1)	85 (215.9)	117 (297.2)	144 (365.8)	108 (274.4)	124 (315.0)	140 (355.6)	144 (365.8)	115 (292.1)	85 (215.9)	140 (355.6)	144 (365.8)
Venture	97 (246.4)	94 (238.8)	97 (246.4)	144 (365.8)	97 (246.4)	63 (160.1)	97 (246.4)	135 (342.9)	97 (246.4)	144 (365.8)	Not available	Not available	Not available	Not available	Not available	Not available
Whitcomb	108 (274.4)	144 (365.8)	108 (274.4)	144 (365.8)	108 (274.4)	104 (264.2)	108 (274.4)	144 (365.8)	123 (312.5)	79 (200.7)	123 (312.5)	79 (200.7)	123 (312.5)	79 (200.7)	123 (312.5)	79 (200.7)
Whitehall	92 (233.7)	136 (345.5)	92 (233.7)	144 (365.8)	92 (233.7)	94 (238.8)	92 (233.7)	144 (365.8)	123 (312.5)	79 (200.7)	123 (312.5)	79 (200.7)	123 (312.5)	79 (200.7)	123 (312.5)	79 (200.7)

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

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.

Roller and Solar Shades: Dual Shades Maximum Shade Size

Valance Type	Normal Fabric Orientation										Fabric Turned Width for Height (railroaded)										
	12 Volt Motor No Cassette/ No Valance		12 Volt Motor Large Cassette		24 Volt Motor No Cassette/ No Valance		24 Volt Motor Large Cassette		12 Volt Motor No Cassette/ No Valance Maximum Width		12 Volt Motor Large Cassette at Maximum Length		12 Volt Motor No Cassette/ No Valance Maximum Width		12 Volt Motor Large Cassette at Maximum Width		24 Volt Motor No Cassette/ No Valance		24 Volt Motor Large Cassette		
	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	
Kismet	71 (180.4)	82 (208.3)	73 (185.5)	74 (188.0)	88 (223.6)	66 (167.7)	90 (228.6)	58 (147.4)	Not available		Not available		Not available		Not available		Not available		Not available		
Merit	76 (193.1)	88 (223.6)	63 (160.1)	97 (246.4)	76 (193.1)	88 (223.6)	77 (195.6)	79 (200.7)	Not available		Not available		Not available		Not available		Not available		Not available		
Monaco	77 (195.6)	144 (365.8)	77 (195.6)	144 (365.8)	77 (195.6)	144 (365.8)	77 (195.6)	144 (365.8)	86 (218.5)	66 (167.7)	86 (218.5)	66 (167.7)	101 (256.6)	66 (167.7)	101 (256.6)	66 (167.7)	101 (256.6)	66 (167.7)	101 (256.6)	66 (167.7)	
Monticello	72 (182.9)	68 (172.8)	73 (185.5)	61 (155.0)	89 (226.1)	54 (137.2)	91 (231.2)	47 (119.4)	72 (182.9)	68 (172.8)	73 (185.5)	61 (155.0)	91 (231.2)	47 (119.4)	89 (226.1)	54 (137.2)	91 (231.2)	47 (119.4)	89 (226.1)	54 (137.2)	
Opulent	88 (223.6)	133 (337.9)	88 (223.6)	133 (337.9)	88 (223.6)	133 (337.9)	88 (223.6)	133 (337.9)	88 (223.6)	89 (226.1)	54 (137.2)	89 (226.1)	54 (137.2)	Not available		Not available		Not available		Not available	
Palisades	76 (193.1)	115 (292.1)	77 (195.6)	104 (264.2)	93 (236.3)	93 (236.3)	94 (238.8)	82 (208.3)	Not available		Not available		Not available		Not available		Not available		Not available		
Paradigm	76 (193.1)	76 (193.1)	77 (195.6)	69 (175.3)	92 (233.7)	61 (155.0)	94 (238.8)	84 (137.2)	Not available		Not available		Not available		Not available		Not available		Not available		
Plexus 1%	69 (175.3)	70 (177.8)	70 (177.8)	63 (160.1)	85 (215.9)	56 (142.3)	87 (221.0)	49 (124.5)	69 (175.3)	70 (177.8)	70 (177.8)	63 (160.1)	87 (221.0)	49 (124.5)	85 (215.9)	56 (142.3)	87 (221.0)	49 (124.5)	85 (215.9)	56 (142.3)	
Plexus 3%	69 (175.3)	74 (188.0)	71 (180.4)	66 (167.7)	86 (218.5)	59 (149.9)	88 (223.6)	52 (132.1)	69 (175.3)	74 (188.0)	71 (180.4)	66 (167.7)	88 (223.6)	52 (132.1)	86 (218.5)	59 (149.9)	88 (223.6)	52 (132.1)	86 (218.5)	59 (149.9)	
Plexus 5%	69 (175.3)	82 (208.3)	71 (180.4)	72 (182.9)	85 (215.9)	66 (167.7)	87 (221.0)	58 (147.4)	69 (175.3)	82 (208.3)	71 (180.4)	72 (182.9)	87 (221.0)	58 (147.4)	85 (215.9)	66 (167.7)	87 (221.0)	58 (147.4)	85 (215.9)	66 (167.7)	
Prairie	90 (228.6)	119 (302.3)	92 (233.7)	106 (269.3)	90 (228.6)	119 (302.3)	92 (233.7)	106 (269.3)	Not available		Not available		Not available		Not available		Not available		Not available		
Prodigy	56 (142.3)	70 (177.8)	58 (147.4)	63 (160.1)	69 (175.3)	56 (142.3)	71 (180.4)	49 (124.5)	Not available		Not available		Not available		Not available		Not available		Not available		
Reaction	85 (215.9)	89 (226.1)	71 (180.4)	98 (249.0)	85 (215.9)	89 (226.1)	87 (221.0)	79 (200.7)	Not available		Not available		Not available		Not available		Not available		Not available		
Resolve	71 (180.4)	97 (246.4)	73 (185.5)	87 (221.0)	87 (221.0)	79 (200.7)	89 (226.1)	69 (175.3)	Not available		Not available		Not available		Not available		Not available		Not available		
Riverbend	72 (182.9)	76 (193.1)	72 (182.9)	69 (175.3)	72 (182.9)	61 (155.0)	72 (182.9)	54 (137.2)	Not available		Not available		Not available		Not available		Not available		Not available		
Rujin	72 (182.9)	31 (78.8)	72 (182.9)	28 (71.2)	72 (182.9)	23 (58.5)	72 (182.9)	20 (50.8)	Not available		Not available		Not available		Not available		Not available		Not available		
Sedona	72 (182.9)	105 (266.7)	72 (182.9)	95 (241.3)	72 (182.9)	85 (215.9)	72 (182.9)	75 (190.5)	Not available		Not available		Not available		Not available		Not available		Not available		
Shadow	84 (213.4)	93 (236.3)	71 (180.4)	97 (246.4)	84 (213.4)	93 (236.3)	86 (218.5)	82 (208.3)	99 (251.5)	62 (157.5)	99 (251.5)	62 (157.5)	99 (251.5)	62 (157.5)	99 (251.5)	62 (157.5)	99 (251.5)	62 (157.5)	99 (251.5)	62 (157.5)	
Shadow	81 (205.8)	115 (292.1)	82 (208.3)	104 (264.2)	98 (249.0)	93 (236.3)	99 (251.5)	82 (208.3)	Not available		Not available		Not available		Not available		Not available		Not available		
Standard Weave 1%	83 (210.9)	85 (215.9)	70 (177.8)	89 (226.1)	83 (210.9)	85 (215.9)	85 (215.9)	75 (190.5)	83 (210.9)	85 (215.9)	70 (177.8)	89 (226.1)	85 (215.9)	75 (190.5)	83 (210.9)	85 (215.9)	75 (190.5)	83 (210.9)	85 (215.9)	75 (190.5)	
Standard Weave 3%	84 (213.4)	85 (215.9)	71 (180.4)	87 (221.0)	84 (213.4)	85 (215.9)	86 (218.5)	75 (190.5)	84 (213.4)	85 (215.9)	71 (180.4)	87 (221.0)	86 (218.5)	75 (190.5)	84 (213.4)	85 (215.9)	75 (190.5)	84 (213.4)	85 (215.9)	75 (190.5)	
Standard Weave 5%	83 (210.9)	93 (236.3)	70 (177.8)	99 (251.5)	83 (210.9)	93 (236.3)	86 (218.5)	82 (208.3)	83 (210.9)	93 (236.3)	70 (177.8)	99 (251.5)	86 (218.5)	82 (208.3)	83 (210.9)	93 (236.3)	86 (218.5)	82 (208.3)	83 (210.9)	93 (236.3)	
Standard Weave 10%	84 (213.4)	98 (249.0)	71 (180.4)	100 (254.0)	84 (213.4)	98 (249.0)	86 (218.5)	86 (218.5)	84 (213.4)	98 (249.0)	71 (180.4)	100 (254.0)	86 (218.5)	86 (218.5)	84 (213.4)	98 (249.0)	86 (218.5)	86 (218.5)	84 (213.4)	98 (249.0)	
Suburban II	72 (182.9)	144 (365.8)	72 (182.9)	144 (365.8)	72 (182.9)	142 (360.7)	72 (182.9)	126 (320.1)	100 (254.0)	62 (157.5)	100 (254.0)	62 (157.5)	100 (254.0)	62 (157.5)	100 (254.0)	62 (157.5)	100 (254.0)	62 (157.5)	100 (254.0)	62 (157.5)	
Vanguard 1%	83 (210.9)	85 (215.9)	70 (177.8)	89 (226.1)	83 (210.9)	85 (215.9)	85 (215.9)	75 (190.5)	83 (210.9)	85 (215.9)	70 (177.8)	89 (226.1)	85 (215.9)	75 (190.5)	83 (210.9)	85 (215.9)	75 (190.5)	83 (210.9)	85 (215.9)	75 (190.5)	
Vanguard 3%	84 (213.4)	85 (215.9)	71 (180.4)	87 (221.0)	84 (213.4)	85 (215.9)	86 (218.5)	75 (190.5)	84 (213.4)	85 (215.9)	71 (180.4)	87 (221.0)	86 (218.5)	75 (190.5)	84 (213.4)	85 (215.9)	75 (190.5)	84 (213.4)	85 (215.9)	75 (190.5)	
Vanguard 5%	83 (210.9)	93 (236.3)	70 (177.8)	99 (251.5)	83 (210.9)	93 (236.3)	86 (218.5)	82 (208.3)	83 (210.9)	93 (236.3)	70 (177.8)	99 (251.5)	86 (218.5)	82 (208.3)	83 (210.9)	93 (236.3)	86 (218.5)	82 (208.3)	83 (210.9)	93 (236.3)	
Venture	62 (157.5)	87 (221.0)	63 (160.1)	79 (200.7)	76 (193.1)	70 (177.8)	78 (198.2)	62 (157.5)	Not available		Not available		Not available		Not available		Not available		Not available		
Whitcomb	91 (231.2)	113 (287.1)	76 (193.1)	125 (317.5)	91 (231.2)	113 (287.1)	93 (236.3)	100 (254.0)	Not available		Not available		Not available		Not available		Not available		Not available		
Whitehall	87 (221.0)	102 (259.1)	73 (185.5)	113 (287.1)	87 (221.0)	102 (259.1)	89 (226.1)	90 (228.6)	77 (195.6)	84 (213.4)	91 (231.2)	82 (208.3)	77 (195.6)	84 (213.4)	91 (231.2)	82 (208.3)	77 (195.6)	84 (213.4)	91 (231.2)	82 (208.3)	

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.

Features and Size Considerations

Simple Roller and Solar Shades Motorized Lift

Order Entry: 12V RTS RU30 Motor



Refer to individual base price list for specific option and size information for the product being ordered.

Features

- Allow for easy operation of hard-to-reach or large window coverings
- Efficiently manages energy (heat gain and loss)
- A safer alternative to accessible cords that are traditionally used to operate window coverings; ideal for homes with children and pets
- Low voltage motorization requires no costly electrical hard-wiring
- Powered with 10 AA alkaline batteries, plug-in transformer, or multi-motor power supply
- Not available with hold down brackets
- Available with standard or reverse roll; cassette, fascia, and contour valance only available with standard roll
- Available with fabric-wrapped hembar only
- Motor located on the left or right side; standard on the right
- Fabric seaming not available
- Fabric turned width for height orientation/railroading not available
- Motors can only pair with four controls
- When ordering with dual shades—recommend a basic hand held remote per motor or upgrade to a multi-channel controller

Multiple Control Options Available

- Remote: convenient, portable control
- Wall switch: control shades when entering or exiting a room with the simple push of a button
- Timer: allows you to program operation at certain times of the day
 - Manage heat loss and gain automatically; a great way to reduce your energy bill in any season
 - Protect furniture from harmful UV rays
 - Improve security by making your home look occupied when you're away
- Automation interface: multiple interface options are available to allow your motorized lift shades to integrate with third party automation systems

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

Light Gap	
Control Type	Light Gap per Side inches (cm)
Motorized Lift	$\frac{9}{16}$ to $1\frac{3}{16}$ (1.5 to 2.1)
Motorized Lift with Cassette	$\frac{9}{16}$ to $1\frac{5}{16}$ (1.5 to 2.4)
Dual Motorized Lift	$\frac{9}{16}$ to $1\frac{3}{16}$ (1.5 to 2.1)
Dual Motorized Lift with Cassette	$\frac{9}{16}$ to $1\frac{5}{16}$ (1.4 to 2.4)

Size Considerations		
Motor Type	Minimum Width inches (cm)	Minimum Height inches (cm)
12 Volt	13 (33.1)	13 (33.1)

NOTE: See size charts on following pages.

Power Size Considerations Chart			
Fabric Group	Battery Tube AA Alkaline square inches (cm ²)	Dual Battery Tube AA Alkaline square inches (cm ²)	Plug in Transformer square inches (cm ²)
A	<5,200 (33,548.3)	<5,200 (33,548.3)	<5,200 (33,548.3)
B	<3,500 (22,580.63)	≥3,500 (22,580.63)	≥3,500 (22,580.63)
C	<2,500 (16,129.0)	≥2,500 (16,129.0)	≥2,500 (16,129.0)
D	<1,750 (11,290.3)	≥1,750 (11,290.3) and <4,000 (25,806.4)	≥4,000 (25,806.4)

NOTE: 72" (182.9 cm) x 72" (182.9 cm) = 5,184 (33,445.1 cm²) in area, this is the shade size maximum limit for this system, shade size maximum limit may be smaller based on specific fabric type.

Features and Size Considerations

Simple Roller and Solar Shades: 12 Volt Motor Maximum Shade Size

Fabric	Fabric Group	Small, Medium, Large Cassette, Contour Valance, No Valance, No Cassette, 3" (7.7 cm) and 4" (10.2 cm) Fascia		Dual Shades			
				No Cassette/No Valance		Large Cassette	
		Maximum Width inches (cm)	Maximum Height inches (cm)	Maximum Width inches (cm)	Maximum Height inches (cm)	Maximum Width inches (cm)	Maximum Height inches (cm)
Allure	A	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Arboretum BO	C	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Arboretum LF	A	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Banquet	A	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Broadcast	D	66 (167.7)	72 (182.9)	70 (177.8)	72 (182.9)	70 (177.8)	72 (182.9)
Cambridge LF 76" (Ivory)	A	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Cambridge LF 92" (Clay, Cocoa Bean, Inkwell, Misty, Off White, White)	A	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Cambridge RD 76" (Ivory)	B	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Cambridge RD 92" (Clay, Cocoa Bean, Inkwell, Misty, Off White, White)	B	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Capri	A	71 (180.4)	72 (182.9)	71 (180.4)	72 (182.9)	71 (180.4)	72 (182.9)
Chronicles	C	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Complex	D	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Crossweave	A	71 (180.4)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Crystalline	A	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Cumulus	C	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Elements	A	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Empire	A	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Epitome	D	54 (137.2)	72 (182.9)	56 (142.3)	60 (152.4)	56 (142.3)	60 (152.4)
Essential	C	70 (177.8)	72 (182.9)	70 (177.8)	72 (182.9)	70 (177.8)	72 (182.9)
Exposition	D	72 (182.9)	72 (182.9)	72 (182.9)	66 (167.7)	72 (182.9)	66 (167.7)
Guildhall	D	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Harmony	A	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Herald	A	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Kismet	D	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Merit	C	66 (167.7)	72 (182.9)	66 (167.7)	72 (182.9)	66 (167.7)	72 (182.9)
Monaco	A	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Monticello	D	70 (177.8)	72 (182.9)	71 (180.4)	70 (177.8)	71 (180.4)	70 (177.8)

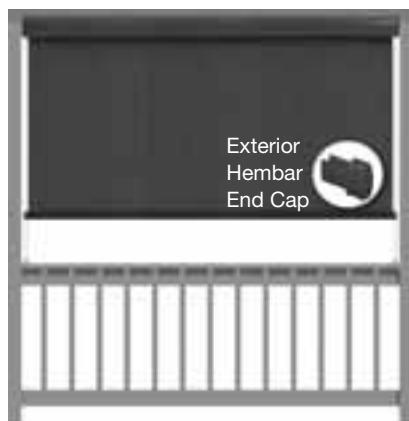
Features and Size Considerations

Simple Roller and Solar Shades: 12 Volt Motor Maximum Shade Size

Fabric	Fabric Group	Small, Medium, Large Cassette, Contour Valance, No Valance, No Cassette, 3" (7.7 cm) and 4" (10.2 cm) Fascia		Dual Shades			
				No Cassette/No Valance		Large Cassette	
		Maximum Width inches (cm)	Maximum Height inches (cm)	Maximum Width inches (cm)	Maximum Height inches (cm)	Maximum Width inches (cm)	Maximum Height inches (cm)
Opulent	A	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Palisades	A	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Paradigm	C	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Plexus 1%	D	61 (155.0)	72 (182.9)	61 (155.0)	72 (182.9)	61 (155.0)	72 (182.9)
Plexus 3%	D	65 (165.1)	72 (182.9)	65 (165.1)	72 (182.9)	65 (165.1)	72 (182.9)
Plexus 5%	D	70 (177.8)	72 (182.9)	70 (177.8)	72 (182.9)	70 (177.8)	72 (182.9)
Prairie	A	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Prodigy	D	56 (142.2)	72 (182.9)	56 (142.3)	72 (182.9)	56 (142.3)	72 (182.9)
Reaction	C	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Resolve	C	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Riverbend	C	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Rujin	C	72 (182.9)	72 (182.9)	72 (182.9)	32 (81.3)	72 (182.9)	32 (81.3)
Sedona	A	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Shadow	C	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Sheffield	A	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Standard Weave 1%	D	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Standard Weave 3%	D	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Standard Weave 5%	D	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Standard Weave 10%	C	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Suburban II	A	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Vanguard 1%	D	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Vanguard 3%	D	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Vanguard 5%	D	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Venture	D	64 (162.6)	72 (182.9)	64 (162.6)	72 (182.9)	64 (162.6)	72 (182.9)
Whitcomb	A	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)
Whitehall	B	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)	72 (182.9)

Features and Size Considerations

Exterior Solar Shades Motorized Lift



Refer to individual price list for specific option and size information for the product being ordered.

Features

- Operate exterior shades virtually anywhere around the home, up to 65 foot (19.9 m) RTS range
- Provides easy operation of outdoor living space shades
- Manages harsh sun glare and solar heat, assists with temperature control
- Blocks damaging UV rays while maintaining outdoor view
- Motor located on the left or right side, standard on right
- Powered with 10 foot (304.8 cm) power cable; optional outdoor-rated plug
- Available with large cassette only, choose Brown (873), Vanilla (970), White (871), or Black (939)
- Available as standard roll only
- Stainless steel guide cables and unique universal cable locks (sill, jam, or wall mounted) are included

Multiple Control Options Available (multiple controls can operate the same shade)

- Exterior wirefree remote: outdoor-rated remote controls are water resistant and shock proof
- Interior wirefree remotes, wall switches, and timers: wireless remotes provide convenient operation of individual or groups of shades from inside the home
- Wind sensor: automatically raise the shade in windy conditions, protecting shades from wind damage

Exterior Solar Shades: Maximum Shade Size

Fabric	Normal Fabric Orientation		Fabric Turned Width for Height (railroaded)			
	120 Volt Motor Large Cassette		120 Volt Motor Large Cassette		120 Volt Motor Large Cassette at Maximum Width	
	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)	Width inches (cm)	Height inches (cm)
Broadcast	117 (297.2)	144 (365.8)	127 (322.6)	144 (365.8)	144 (365.8)	74 (188.0)
Chronicles	97 (246.4)	144 (365.8)	Not available			
Merit	97 (246.4)	144 (365.8)	Not available			
Monticello	97 (246.4)	144 (365.8)	141 (358.2)	81 (205.8)	144 (365.8)	72 (182.9)
Paradigm	97 (246.4)	144 (365.8)	Not available			
Plexus 1%	117 (297.2)	144 (365.8)	123 (312.5)	144 (365.8)	144 (365.8)	74 (188.0)
Plexus 3%	117 (297.2)	144 (365.8)	125 (317.5)	144 (365.8)	144 (365.8)	80 (203.2)
Plexus 5%	117 (297.2)	144 (365.8)	127 (322.6)	144 (365.8)	144 (365.8)	88 (223.6)
Reaction	97 (246.4)	144 (365.8)	Not available			
Resolve	97 (246.4)	144 (365.8)	Not available			
Standard Weave 1%	117 (297.2)	144 (365.8)	130 (330.2)	144 (365.8)	144 (365.8)	117 (297.2)
Standard Weave 3%	117 (297.2)	144 (365.8)	131 (332.8)	144 (365.8)	144 (365.8)	117 (297.2)
Standard Weave 5%	117 (297.2)	144 (365.8)	133 (337.9)	144 (365.8)	144 (365.8)	128 (325.2)
Standard Weave 10%	117 (297.2)	144 (365.8)	135 (342.9)	144 (365.8)	144 (365.8)	134 (340.4)
Vanguard 1%	117 (297.2)	144 (365.8)	130 (330.2)	144 (365.8)	144 (365.8)	117 (297.2)
Vanguard 3%	117 (297.2)	144 (365.8)	131 (332.8)	144 (365.8)	144 (365.8)	117 (297.2)
Vanguard 5%	117 (297.2)	144 (365.8)	133 (337.9)	144 (365.8)	144 (365.8)	128 (325.2)
Venture	97 (246.4)	144 (365.8)	Not available			

Due to continuous manufacturing improvements, minimums, and maximums are subject to change. Please call customer service for up to date size considerations.

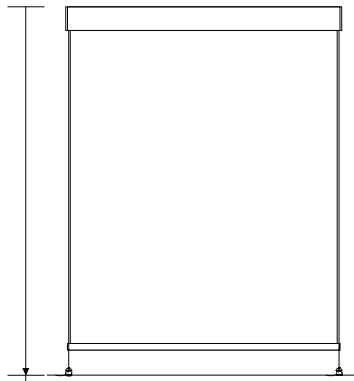
NOTE: These tables provide the maximum shade size available by fabric and cassette.

Seams may be added to fabrics to accommodate long shade requirements. For shades longer than material width, seams will be visible when the shade is fully extended.

Refer to exterior solar shades price list for pricing.

Features and Size Considerations

Guide Cables (motorized exterior shades only)



+ 10" (25.4 cm)

Use the following guidelines to determine the guide cable length that will be provided with your shade.

- Add 10" (25.4 cm) to the shade height to determine guide cable length
 - Cable lengths available are: 54" (137.2 cm), 80" (203.2 cm), 144" (365.8 cm), and 186" (472.5 cm)
 - The next longest cable length will be supplied with your measurement
 - All cables are stainless steel and include cable locks
 - Cables can be cut to length at time of installation

EXAMPLE: Shade height is 95" (241.3 cm). Adding 10" (25.4 cm) = 105" (266.7 cm).
Shade will come with a guide cable at 144" (365.8 cm).

Options

12 Volt Power Considerations

12 volt motors can be powered by batteries, solar power kit, plug-in transformer, or multi-motor power supply. Below are some considerations when planning for power.

Battery Tube Considerations

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

Battery tubes are installed outside of the product and can be challenging to hide in some applications.

- For outside mounts, battery tubes can be installed above or to the side of the shade
- For inside mounts, battery tubes are usually top-mounted (behind the headrail) between the shade and the window; to mount the battery tubes, additional recessed space will be needed

Dual battery tubes are required on all shades (cellular, pleated, Roman, natural, layered, sheer, soft, roller, and solar shades) over 3,600 square inches (23,225.8 cm²) to extend battery life. Dual battery tubes include an off set Y harness, 11" (28.0 cm) and 27¼" (69.3 cm) cable lengths.



Outside Mount



Inside Mount

Low Voltage 12 Volt Power Components



Battery Tubes (12 volt motors only)

- Reloadable and are available with or without batteries
- 8 AA lithium batteries
- Each tube includes 2 battery clips
- Optional 48" (122.0 cm) or 96" (243.9 cm) extensions available
- Shades (cellular, pleated, Roman, natural, layered, sheer, soft, roller, and solar shades) greater than 3,600 square inches (23,225.8 cm²) require two single battery tubes (dual tubes) to extend battery life
- For best performance, use only AA lithium batteries (each tube requires 8 AA lithium batteries)
- Battery power recommended for maximum of 10 shades for best battery performance

Battery Tube Dimensions:

18" (45.8 cm) x 1⅛" (2.9 cm)

Dual Battery Tube Dimensions:

18" (45.8 cm) x 2¼" (5.8 cm) (installed side-by-side)

36" (91.5 cm) x 1⅛" (2.9 cm) (installed end-to-end)

Single Battery Tube with Flush Mount:

product flush mount + 1⅛" (2.9 cm)

Single Battery Tube Minimum

Recessed Space:

product minimum recessed space + 1⅛" (2.9 cm)

Dual Battery Tube with Flush Mount:

product flush mount + 2¼" (5.8 cm)

Dual Battery Tube Minimum

Recessed Space:

product minimum recessed space + 2¼" (5.8 cm)

NOTE: For best performance, use only AA lithium batteries.

Options

Low Voltage 12 Volt Power Components

Solar Power Kit Considerations

The solar panel mounts indoors directly to the glass with included adhesive strips or using provided mounting brackets. Verify window is unobstructed to sunlight by vegetation, decorative grills, or bug screens. Window construction can be non-tinted, single or double pane, which have a minimum of 65% light transmission for proper solar charging.

Kit Includes: Solar panel, battery tube and 10 AA NiMH rechargeable batteries, Y harness, battery tube clips, solar panel mounting brackets, glass-mount adhesive strips, alcohol wipe, and instructions.

- For outside mounts, battery tube can be installed above or to the side of the shade and the solar panel can be installed directly against the window within reach of the wire harness (approximately 10" (25.4 cm) Y harness)
- For inside mounts, battery tube and solar panel can be top-mounted (behind the headrail) or to the side of the shade (vertical orientation) between the shade and the window; additional recessed space will be needed



Solar Power Kit

For best performance, 1 solar panel kit for shades (cellular, pleated, Roman, natural, layered, sheer, soft, roller, solar shades, and horizontal tilt blinds) under 3,600 square inches (23,225.8 cm²).

Battery Tube Dimensions: 21³/₄" (55.3 cm) x 1¹/₈" (2.9 cm)

Solar Panel Dimensions: 12" (30.5 cm) x 1¹/₂" (3.9 cm)

Battery Tube with Flush Mount: product flush mount + 1¹/₈" (2.9 cm)


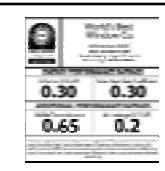





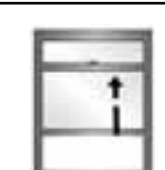


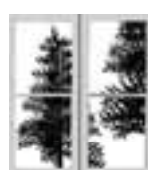
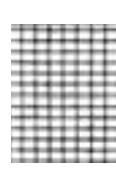
Battery Tube Minimum Recessed Space: product minimum recessed space + 1¹/₈" (2.9 cm)

Solar Power Kit (12 volt motors only)

- Patented energy-saving technology uses sunlight to power the motorized window covering
- The battery tube houses 10 AA NiMH rechargeable batteries, tube length 21³/₄" (55.3 cm) x 1¹/₈" (2.9 cm) in diameter
- One kit per shade (cellular, pleated, Roman, natural, layered, sheer, soft, roller, solar shades, and horizontal tilt blinds) under 3,600 square inches (23,225.8 cm²)
- Not available with shades over 96" (243.8 cm) height
- Maintenance-free solution that doesn't require the use of an electrician
- Convenient and cost effective; reduces battery replacement and preserves the environment
- Easy to install for new and existing window covering installation
- Solar (photovoltaic) panel is low profile and easy to conceal (adhesive mounting strips or mounting brackets are included)
- Solar power kit includes 10" (25.4 cm) Y harness
- Batteries can be recharged with any NiMH AA battery charger
- The solar power kit is fully charged at the time of shade fabrication and should be installed within one week; if installation is delayed, place the solar panel with filled battery tube in location that gets periodic sunlight to maintain the charge



Window Application Guidelines for Solar Power Kit

Window Type	 Single or Double Pane OK	 Light Transmission 65% or Greater	 Window Tinting	 Inside Window Only	Avoid	 Awnings or Deep Roof Eaves	 Window Dividers/ Overlapping Solar Panel
Moving Window	 Fixed Window	 Double Hung	 Sliding	 Casement		 Vegetation Blocking Light	 Bug Screens
Concern	Clean Install	Caution: Avoid Panel Collision	Caution: Avoid Panel Collision	Caution: Panel Movement will Tug or Tear Harness			
Suggestions		Limit Screw in Track	Limit Screw in Track	Cable Tie Near Corner			

For complete guidelines, visit graberdirect.com and download installation and performance chart for solar power kit.

Options

Low Voltage 12 Volt and 24 Volt Power Components



Plug-In Transformer

- Eliminates the need for batteries
- Available in White only
- 12 volt: 72" (182.9 cm) power cord and 96" (243.9 cm) extension cable (power cord and extensions cannot be cut to length)
- 24 volt: 96" (243.9 cm) motor lead and 60" (152.4 cm) power cord (cord can be cut to length)

Transformer Dimensions

- 12 volt: 3¼" (8.3 cm) wide x 2" (5.1 cm) deep (not including plug) x 1½" (3.9 cm) high (as you look at the plug in the outlet)
- 24 volt: 1¾" (4.5 cm) wide x 1½" (4.2 cm) deep (not including plug) x 2¾" (7.0 cm) high (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

- Used when hard-wiring the transformer and direct wiring the motorized window coverings
- Each motor is "home run" wired back to the multi-motor power supply
- Power supply includes extension cable and connections
- Must be mounted indoors, NEMA rated
- Dimensions: 12" (30.5 cm) wide x 6" (15.3 cm) deep x 12" (30.5 cm) high
- 120 volt AC 3.3 amp

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.

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

12 Volt: 10 motor power supply available for 12 volt motors; includes extension cable and connections.

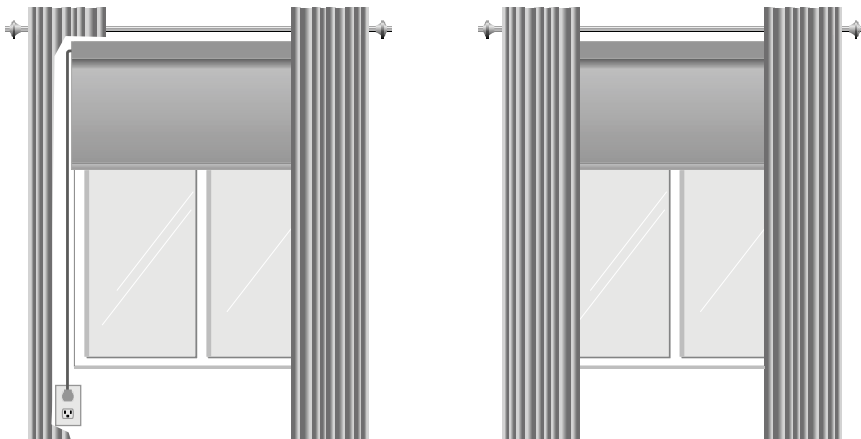
- Dimensions: 12" (30.5 cm) wide x 6" (15.2 cm) deep x 12" (30.5 cm) high

24 Volt: 5 or 10 motor power supply available for 24 volt motors. Includes connectors; additional wire to be purchased locally.

- Dimensions: 12" (30.5 cm) wide x 6" (15.2 cm) deep x 12" (30.5 cm) high

DC Plug-In Transformer Considerations

- A power outlet must be within cord length to power motor
- Transformer power recommended for shade systems of any quantity



Options

Simple Motor 12 Volt Power Components

Simple motor is available for cellular, pleated, solar, and roller products only. Each fabric has a power source recommendation chart. See the power considerations below for options.

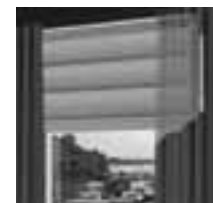
12 volt motors can be powered by batteries, plug-in transformer, or multi-motor power supply.

Battery Tube Considerations

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

Battery tubes are installed outside of the product and can be challenging to hide in some applications.




- For outside mounts, battery tubes can be installed above or to the side of the shade
- For inside mounts, battery tubes are usually top-mounted (behind the headrail) between the shade and the window; to mount the battery tubes, additional recessed space will be needed



Outside Mount



Inside Mount

	<p>Battery Tubes (Simple 12 Volt Motor Only)</p> <ul style="list-style-type: none"> • Reloadable and are available with or without batteries • 10 AA alkaline batteries • Each tube includes 2 battery clips • Optional 48" (122.0 cm) or 96" (243.9 cm) extensions available • Power source is an option for cellular, pleated, solar, and roller shade only • Dual tubes include an offset Y harness 11" (28.0 cm) and 27¼" (63.5 cm) cable lengths • Review the size consideration charts for power recommendations; each fabric has a specific recommendation for dual battery tubes and plug-in transformer • Battery power recommended for maximum of 10 shades for best battery performance <p>Battery Tube Dimensions: 21¼" (55.3 cm) x 1½" (2.9 cm) Battery Tube with Flush Mount: product flush mount + 1½" (2.9 cm) Battery Tube Minimum Recessed Space: product minimum recessed space + 1½" (2.9 cm)</p> <p>Dual Battery Tube with Flush Mount: product flush mount + 2¼" (5.8 cm) Dual Battery Tube Minimum Recessed Space: product minimum recessed space + 2¼" (5.8 cm)</p>
	<p>DC Plug-In Transformer Considerations A power outlet must be within cord length to power motor.</p> <p>12 Volt Transformer: 72" (182.9 cm) power cord and 96" (243.9 cm) extension cable (power cord and extensions cannot be cut to length).</p> <p>Dimensions: 3¼" (8.3 cm) wide x 2" (5.1 cm) deep (not including plug) x 1½" (3.9 cm) high (as you look at the plug in the outlet).</p>
	<p>Multi-Motor Power Supply Considerations (See "Low Voltage 12 Volt Components" section for additional details on this power option.)</p> <p>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.</p> <p>CAUTION: A licensed electrician is required for all line voltage electrical connections. All local and NEC codes must be followed.</p> <p>12 Volt: 10 motor power supply available for 12 volt motors; includes extension cable and connections.</p> <p>Dimensions: 12" (30.5 cm) wide x 6" (15.3 cm) deep x 12" (30.5 cm) high</p>

Options

120 Volt Power Considerations

120 volt motors utilize the home or building's line voltage. Below are some considerations when planning for power.

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

Radio Frequency 120 Volt Motors

Radio frequency-controlled motors are either hard-wired or plugged into line voltage. Any variety of RF controls can be used to achieve your desired control scenarios: remotes, wall switches, or timers. When installing a radio frequency-controlled line voltage motor, you have three options for electrical connection:

1. 3-prong plug: Plug into a prewired outlet. This is the simplest method; however, it requires the outlet be located within range of the motor cord. Do not use an extension cord.
2. Junction box lead: Use a junction box lead that can be hardwired to a nearby junction box. Requires the junction box to be located within range.
3. Custom plug plate: Plate to be installed nearby single gang junction box using the quick disconnect prewired to motor lead. Option best suited for commercial projects.

Interior Radio Frequency 120 Volt Power Options

- 3 foot (91.5 cm) power cord with 3-prong plug
- 10 foot (304.8 cm) power cord with 3-prong plug
- 3 foot (91.5 cm) motor lead with 8 foot (243.8 cm) junction box lead and quick disconnect
- 10 foot (304.8 cm) motor lead with quick disconnect and plug plate
- 3 foot (91.5 cm) motor lead with quick disconnect and plug plate

Exterior Radio Frequency 120 Volt Power Options

- 10 foot (304.8 cm) power cord
- 10 foot (304.8 cm) power cord with 3-prong plug (field attached)



Standard 120 Volt Motors







When installing a standard line voltage motor, both power and control are hard-wired to the motor. Control is provided via wall switches or dry contact outputs provided by certain home and building automation packages. Standard motor configuration options are:

Standard Motor Options

- 3 foot (45.8 cm) motor lead with 8½ foot (259.1 cm) junction box lead and quick disconnect
- 3 foot (45.8 cm) motor lead with quick disconnect and plug plate
- 10 foot (304.8 cm) motor lead with quick disconnect and plug plate





Options

Motorized Graber® Blinds and Shades feature Somfy® Radio Frequency Motors and Accessories. All Somfy Radio Frequency Motors utilize Somfy's Proprietary Protocol Radio Technology Somfy® (RTS).

Radio Frequency Controls (RTS range 65 feet (19.9 m))	
	<p>Telis Handheld Remotes</p> <ul style="list-style-type: none"> • Compatible with all Somfy RTS motors • Used to control single blinds/shades on each channel or group blinds/shades performing the same function • Battery included • Remote includes convenient mounting hardware for hanging when not in use <p>Telis 1, Single-Channel Remote Available colors:</p> <ul style="list-style-type: none"> • Interior: White, Silver, Black • Exterior: Patio Blue <p>Telis 4, Five-Channel Remote Available colors:</p> <ul style="list-style-type: none"> • Interior: White, Silver, Black • Exterior: Patio Blue
	<p>Telis 16, Sixteen-Channel Handheld Remote</p> <ul style="list-style-type: none"> • Compatible with all Somfy RTS motors • Used to control a single blind/shade on each channel or group blinds/shades performing the same function • Convenient display provides easy identification of shade(s) being controlled • Battery included • Remote includes convenient mounting hardware for hanging when not in use • Available colors: Interior only—White, Silver
	<p>Telis Modulis Handheld Remotes</p> <ul style="list-style-type: none"> • Compatible with all Somfy RTS motors • Used to control a single blind/shade on each channel or group blinds/shades performing the same function • Scroll interface allows for precise adjustment for blinds/shades, ideal for fine control horizontal blinds, layered, and sheer shades • Battery included <p>Telis 1 Modulis, Single-Channel Remote Available colors:</p> <ul style="list-style-type: none"> • Interior: White <p>Telis 4, Five-Channel Remote Available colors:</p> <ul style="list-style-type: none"> • Interior: White
	<p>Simple Single-Channel Remote</p> <ul style="list-style-type: none"> • Compatible with all Somfy RTS motors • Used to control single blinds/shades on each channel or group blinds/shades performing the same function • Battery included • Remote includes convenient mounting hardware for hanging when not in use • Single-channel remote
	<p>DecoFlex Wireless Wall Switches</p> <ul style="list-style-type: none"> • Compatible with all Somfy RTS motors • Used to control a single blind/shade on each channel or group blinds/shades performing the same function • Switches include button labels and mounting hardware to flush mount in drywall (wireless) • Battery included <p>Single-Channel Wall Switch Available colors:</p> <ul style="list-style-type: none"> • Interior: White, Ivory, Black <p>Five-Channel Wall Switch Available colors:</p> <ul style="list-style-type: none"> • Interior: White, Ivory, Black
	<p>DecoFlex Table Top Remotes</p> <ul style="list-style-type: none"> • Compatible with all Somfy RTS motors • Used to control a single blind/shade on each channel or group blinds/shades performing the same function • Switches include button labels • Battery included <p>Single-Channel Table Top Remote Available colors:</p> <ul style="list-style-type: none"> • Interior: Silver, Black, White • Silver and Black include Black wall switch • White includes White wall switch <p>Five-Channel Table Top Remote Available colors:</p> <ul style="list-style-type: none"> • Interior: Silver, Black, White • Silver and Black include Black wall switch • White includes White wall switch




Options

Motorized Graber® Blinds and Shades feature Somfy® Radio Frequency Motors and Accessories. All Somfy Radio Frequency Motors utilize Somfy's Proprietary Protocol Radio Technology Somfy® (RTS).

Integration Devices	
	<p>16-Channel Z-WAVE to RTS Bridge (ZRTSI II)</p> <p>The ZRTSI II is a Z-Wave to RTS Interface which acts as a bridge controller between a Somfy RTS motor and Z-Wave network. It receives Z-Wave transmissions and converts them to motor control commands for wireless controlled motors. Each ZRTSI II is plugged into an active electrical outlet and has sixteen (16) RTS channels. Each channel can control one individual or one group of RTS motorized window coverings.</p> <ul style="list-style-type: none"> • Allows Z-Wave controllers to operate Somfy RTS motors • 16 Channels of RTS control • Can be controlled with Z-Wave only • 65 foot (19.9 m) RTS range • Plugs into wall outlet • Dimensions: 2¾" (7.0 cm) wide x 5½" (14.0 cm) high x 1½" (3.9 cm) deep (not including plug)
	<p>Universal RTS Interface—URTSI II</p> <p>The addressable Universal RTS Interface can be used to communicate between home automation or other third party systems and all Somfy (RTS) motors and controls. It is capable of individual or group control and can be operated via Infrared Remote, RS232, or RS485 serial communication. Once an input is activated, an RTS radio command is sent to the motorized window treatment. Up to 16 addressable channels are available.</p> <ul style="list-style-type: none"> • Used for third party integration of all Somfy RTS motors, including both line (120 Volt A/C) and low voltage systems • Converts IR/RS232/RS485 to control all Somfy Radio Frequency (RTS) motors • 65 foot (19.9 m) RTS range • Power: 9 volt—15 volt DC, 200mA draw for each universal interface—transformer included • Up to 16 URTSI II's can be used in one system
	<p>Single-Channel Dry Contact to RTS Interface (includes power cord)</p> <p>The Somfy Single-Channel RTS dry contact interface communicates with all RTS motors and can only be controlled by dry contact. It operates as a single-channel Telis remote controller, providing UP, DOWN and STOP functions along with a "MY" or customer-preferred shade setting. The RTS (RF) technology controls all RTS devices within a 65 foot (19.9 m) range. This device is enclosed in a weatherproof mounting case for indoor and outdoor operation.</p> <ul style="list-style-type: none"> • Single-channel RTS control for all Somfy RTS motors • Controlled with dry contacts • Powered by 3 volt lithium battery (included) • Knockout holes in back and bottom of weatherproof case • Dimensions: 6" (15.3 cm) wide x 4¼" (10.8 cm) high x 2¼" (5.8 cm) deep
	<p>mylink™ WiFi to RTS Interface</p> <p>The mylink WiFi to Radio Technology Somfy® interface is a WiFi to RTS bridge that can control up to 16 channels of RTS motorized products using the Somfy mylink apps for iOS and Android devices. Through the app, users can send immediate RTS commands, create scenes (a group of motorized products working together), and schedules (timed events). Users may access their mylinks from anywhere with the apps' remote access feature. Users are able to control through Amazon Echo voice control devices. Though the mylink is a single-zone controller, 35 foot range multiple mylinks can be joined within the same system for multi-zone control. The mylink can also serve as an IP to RTS bridge for 3rd party control systems.</p> <ul style="list-style-type: none"> • Dimensions: 2¼" (5.8 cm) wide x 4⅞" (10.5 cm) high x 1½" (3.9 cm) deep

Options





Motorized Graber® Blinds and Shades feature Somfy® Radio Frequency Motors and Accessories. All Somfy Radio Frequency Motors utilize Somfy's Proprietary Protocol Radio Technology Somfy® (RTS).

Specialty Radio Frequency Controls	
	<p>Telis 1 Chronis RTS Timer</p> <ul style="list-style-type: none"> • Compatible with all Somfy RTS motors • Used to control a single blind/shade or group of blinds/shades performing the same function • Schedule one open and one closed function per day with different scheduled operation for weekend and weekdays • Convenient display provides easy identification of shade(s) being controlled • Battery included • Remote includes convenient mounting hardware for hanging when not in use • Available colors: White
	<p>Sunis Sun Sensor</p> <p>The Somfy Sunis RTS Sun Intensity Sensor is a wireless transmitter compatible with RTS motorized window coverings. Window or sill mounted, the Sunis RTS operates motorized window coverings in accordance to the sun intensity. Sensitivity (threshold) settings can be adjusted to accommodate various sunlight intensity and room temperatures to provide the ultimate in comfort and protection from harmful UV rays.</p> <p>The Somfy Sunis RTS controller communicates with all Somfy RTS controllable devices. The Sunis is a wireless, battery-powered, single-channel RF programmable controller for an unlimited number of Somfy RTS motors. All motors assigned to the Sunis will operate simultaneously. When used with the Somfy RTS shade motors, the Sunis will open or close the shades based on the amount of sun reaching the sensor.</p> <ul style="list-style-type: none"> • Two-position suction cup mounting • Mounts to glass or windowsill • Powered by 3 volt lithium battery (included) • Controls unlimited RTS motors • Controls RTS motors based on sun intensity • Operating temperature: 32°F to 140°F • INDOOR USE ONLY • Dimensions: 2³/₁₆" (5.6 cm) diameter x 3⁴/₄" (2.0 cm) deep
	<p>(RTS) Repeater—Range Expander</p> <p>The Repeater extends the range of all Somfy RTS controllers. Devices or motors that might have been previously out of range from an RTS transmitter can now be controlled by adding the RTS Repeater. The RTS Repeater should be placed approximately halfway between the RTS Somfy motor and controller. An LED is provided for confirmation that the unit is receiving the RTS. Repeater has the same typical range of other transmitters at approximately 65 feet (19.9 cm) and plugs directly into any household AC outlet.</p> <ul style="list-style-type: none"> • Communicates with all Somfy (RTS) devices/motors • Range expander: strengthens and extends the radio frequency signal (RTS) from control to motor • Plug and play: plugs directly into any AC-Outlet; no programming needed • LED feedback • Controls unlimited number of shades simultaneously • Dimensions: 2¹/₈" (5.4 cm) wide x 4¹/₈" (10.5 cm) high x 1.275" (3.3 cm) deep (without antenna)

Options








Motorized Graber® Blinds and Shades feature Somfy® Radio Frequency Motors and Accessories. All Somfy Radio Frequency Motors utilize Somfy's Proprietary Protocol Radio Technology Somfy® (RTS).

Exterior Solar Shade Motorization Controls

	<p>Telis 1 Single-Channel RTS Remote Exterior, Wirefree: Patio (White and Blue) Somfy's Telis single-channel remote is compatible with all radio frequency motors. For exterior shades, use to control a single blind or group of blinds/shades performing the same function from up to 65 feet (19.9 m) away. It is compatible with DecoFlex wall switches and the Chronis Comfort timer. A great way to operate blinds/shades without a direct line of sight. Compatible with the RF wind sensor. Water resistant and shock proof for outdoor use. Battery included.</p>
	<p>Telis 4 Five-Channel RTS Remote Exterior, Wirefree: Patio (White and Blue) Somfy's Telis 4, five-channel remote is compatible with all radio frequency motors. For exterior shades, use to control multiple blinds/shades independently, in a group setting, or multiple groups from up to 65 feet (19.9 m) away. It is compatible with DecoFlex wall switches and the Chronis Comfort timer. Perfect for controlling blinds/shades in multiple rooms. Compatible with the RF wind sensor. Water resistant and shock proof for outdoor use. Battery included.</p>
	<p>Eolis RTS Wind Sensor The Somfy's Eolis RTS wind sensor is a radio wind sensor for exterior motorized lift shades. The sensor detects a wind threshold and automatically raises the shades. The wind threshold is adjustable. Powered by plugging into a 120 volt electrical outlet. Exterior-rated fasteners are not included.</p>
	<p>Exterior-Rated Plug Optional black electrical 3-wire plug, 15 amp, to be used with a GFCI outlet. This allows the shade to be plugged in versus hard-wired.</p>

Options

Standard Motor 120 Volt Controls

	<p>Maintained DP-DT Paddle Switch</p> <ul style="list-style-type: none"> • Controls one or two shades as a stand-alone control • 120 volt A/C • Available colors: White, Ivory
	<p>Group Control System (GCS-II)</p> <p>The Group Control System-II (GCS-II) permits low voltage control of up to four Somfy® motors with one or more switches, from one or more locations. The GCS-II offers only group control, and does not have the capability of operating each motor individually. The Group Control System-II is UL and cUL approved.</p> <ul style="list-style-type: none"> • Enclosure measures 8" (20.4 cm) wide x 10" (25.4 cm) high x 4" (10.2 cm) deep • SP-DT paddle switch sold separately
	<p>Maintained SP-DT Paddle Switch</p> <ul style="list-style-type: none"> • Controls one shade as a stand-alone or in conjunction with a GCS-II multi-motor control for up to four motor operation • 120 volt A/C • Available colors: White, Ivory
	<p>IGC 4n1 Motor Group Control</p> <ul style="list-style-type: none"> • Control up to four WT motors individually or in groups • Provides default intermediate positions: 25%, 50%, 75% openness • Three customizable intermediate positions per motor • Individual control and master control using DecoFlex IGC/4N1 Keypads • Four keypad ports and two master ports • IGC 4n1 switch sold separately
	<p>RTS to IGC 4n1 Receiver</p> <ul style="list-style-type: none"> • Receiver allows RTS remotes to be added to the standard four wire motor control and motors
	<p>IGC 4n1 Switch</p> <ul style="list-style-type: none"> • Designed to be used with the IGC 4n1 motor group controller • Six button control, three intermediate positions, up, stop, and down • Available colors: White
	<p>Motor Tester Cable</p> <p>The motor tester cable is used for any 120 volt motor with the wago quick disconnect. The cable allows adjusting limits on standard motors and can provide alternate power for radio frequency and intelligent motors. Motor tester cable includes switch and wago quick disconnect plug.</p> <ul style="list-style-type: none"> • Dimensions 2.5" (6.4 cm) wide x 3" (7.7 cm) high x 2" (5.1 cm) deep

Price Charts and Options Pricing

Motor Pricing by Product: Radio Frequency

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).

Motor Pricing (add price of motor to blind or shade price from product price list)

12 Volt RF Motor Options	
Cellular, Pleated, or Roman Shades: 12V RTS CL32 Motor	\$440 per panel
Wood, Composite Blinds, Vinyl, or Aluminum (excludes 1" (2.6 cm)): Ring Lift with Motorized Tilt (M)	365
Roller, Solar, Soft Shades, Layered, and Sheer Shades: 12V RTS R28 Motor	403
Natural Shades: 12V RTS R28 Motor	403 per panel
24 Volt RF Motor Options	
Roller, Solar, Soft Shades, or Natural Shades: 24V RTS ST30 Motor	\$853

120 Volt Interior RF Motor and Power Options	
120 Volt Radio Frequency Motor: 120V RTS ST40 Motor	\$1,007
Choose one power option below	
3 Foot (91.5 cm) Motor Lead and 3-Prong Plug	\$50
10 Foot (304.8 cm) Motor Lead and 3-Prong Plug	140
3 Foot (91.5 cm) Motor Lead and 8½ Foot (259.1 cm) J-Box Lead with Quick Disconnect	100
3 Foot (91.5 cm) Lead with Quick Disconnect and Plug Plate	142
10 Foot (304.8 cm) Lead with Quick Disconnect and Plug Plate	112

NOTE: 3-prong exterior plug price below.

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

A. Motorization Power Sources

Power Source—Choose one (1) battery option, one (1) solar power kit, one (1) transformer per motor, or select multi-motor power supply.

NOTE: For cellular, pleated, Roman, and natural shades surcharge is per panel.

Radio Frequency Power Sources	
12 Volt Power Options	
Unfilled Single Reloadable Battery Tube: Requires 8 AA Lithium Batteries	\$65
Filled Single Reloadable Battery Tube	128
Unfilled Dual Reloadable Battery Tube*: Requires 16 AA Lithium Batteries, Off Set Y Harness Included	147
Filled Dual Reloadable Battery Tube*	273
48" (122.0 cm) Extension Cable	20
96" (243.9 cm) Extension Cable	24
Solar Power Kit (transformer recommended for shades over 7,200 square inches (46,451.5 cm ²))	495
12 Volt DC Plug-In Transformer	119
12 Volt Multi Motor Power Supply 10 Motors—Up to 10 Motors Per Power Supply	1,176
*Dual battery tubes recommended for shades over 3,600 square inches (23,225.8 cm ²) to extend battery life. Dual tubes not available with horizontal products. DC plug-in transformer is required for shades greater than 7,200 square inches (46,451.5 cm ²).	
24 Volt Power Options	
24 Volt DC Plug-In Transformer with 5 Foot (152.4 cm) Power Cord	\$147
24 Volt 5 Motor Power Supply	1,359
24 Volt 10 Motor Power Supply	2,002
120 Volt Exterior Power	
120 Volt Exterior Electrical 3-Prong Plug: 15 Amp	\$58

B. Motorization Controls

Controller—Choose one or more remotes, wall switches, or timer per order. Controllers are wire-free and battery is included.

Radio Frequency Remote Controls	
Telis 1 Single-Channel RTS Remote: White	\$119
Telis 1 Single-Channel RTS Remote: Black or Silver	194
Telis 1 Single-Channel Exterior RTS Remote: White/Blue	147
Telis 1 Single-Channel Modulis Remote: White	407
Telis 4 Five-Channel RTS Remote: White	160
Telis 4 Five-Channel RTS Remote: Black or Silver	218
Telis 4 Five-Channel Exterior RTS Remote: White/Blue	161
Telis 4 Five-Channel Modulis Remote: White	578
Telis 16-Channel Remote: White or Silver	649
Radio Frequency Wall Switches	
DecoFlex Single-Channel Wall Switch: White or Ivory	\$308
DecoFlex Single-Channel Wall Switch: Black	374
DecoFlex Five-Channel Wall Switch: White or Ivory	339
DecoFlex Five-Channel Wall Switch: Black	385
Radio Frequency Table Top Remotes	
DecoFlex Single-Channel Table Top Remote: Black, White, or Silver	\$486
DecoFlex Five-Channel Table Top Remote: Black, White, or Silver	499
Specialty Radio Frequency Controls	
Telis 1 Chronis RTS Timer: White	\$633
Sunis RTS Sun Sensor	513
Radio Frequency Repeater (plug-in)	642
RTS Wind Sensor (includes exterior power cord with 3-prong plug)	578
Integration Devices	
ZRTSI II: 16-Channel Z-Wave to RTS Bridge	\$242
URTSI II: Universal RTS Bridge	1,426
Single-Channel Dry Contact to RTS Interface	262
mylink™ WiFi to RTS Interface	572
NOTE: The integration devices cannot be the sole controller for motorized window treatment(s). A remote, wall switch, or timer is needed with your window treatment(s).	

Price Charts and Options Pricing

Simple Motor Pricing by Product: Radio Frequency

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

Power source: Choose one battery option, one transformer per motor, or select multi-motor power supply.

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). Consider using a multi-channel remote if operating independently.

Simple Motor Pricing (add price of motor to blind or shade price from product price list)

12 Volt RF Motor Options

Cellular, Pleated Shades: 12V RTS CL30 Motor	\$299
Roller, Solar Shades: 12V RTS RU30 Motor	299

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

A. Simple Motorization Power Sources

Power Source—Choose one (1) battery option, one (1) transformer per motor, or select multi-motor power supply.

NOTE: Surcharge is per panel.

Radio Frequency Power Sources	
12 Volt Power Options	
Unfilled Single Reloadable Battery Tube; Requires 10 AA Alkaline Batteries	\$52
Filled Single Reloadable Battery Tube	68
Unfilled Dual Reloadable Battery Tube*; Requires 20 AA Alkaline Batteries. Off Set Y Harness Included	105
Filled Dual Reloadable Battery Tube*. Off Set Y Harness Included	136
Plug-In Transformer** (single motor; includes 72" (182.9 cm) power cord and 96" (243.8 cm) extension)	68
Multi-Motor Power Supply (up to 10 motors, includes connections)	1,176
48" (122.0 cm) Extension Cable	20
96" (243.9 cm) Extension Cable	24
*Dual battery tube recommendation is based on shade fabric, refer to size consideration charts on product page.	
**Transformer recommended based on shade fabric, refer to size consideration charts for details.	

B. Simple Motorization Controls

Controller—Choose one remote

Radio Frequency Remote Control	
Simple Single-Channel RTS Remote: White	\$99

Price Charts and Options Pricing

Motor Pricing by Product: 120 Volt Standard Motor

NOTE: 120 volt power options included with motor selection.

Motor Pricing (add price of motor to blind or shade price from product price list)

NOTE: 120 volt interior standard motor and power options.

120 Volt Standard Motor: 120V Standard ST40 Motor	\$695
Choose One Power Option Below	
3 Foot (45.8 cm) Motor Lead and 8½ Foot (304.8 cm) J-Box Lead with Quick Disconnect	\$130
3 Foot (45.8 cm) Motor Lead with Quick Disconnect and Plug Plate	198
10 Foot (45.8 cm) Lead with Quick Disconnect and Plug Plate	118

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

120 Volt Standard Motor Control Options

Controls—Choose the control option you desire.

Standard control options provide up, down, and stop operation of the shades only. When grouping multiple shades, the entire group will go up and down together.

For individual shade control within groups or to set intermediate settings, choose from the IGC 4n1 control options below.

Standard Control Options

Maintained DP-DT Paddle Switch for 1 or 2 Standard Motors with Face Plate—White or Ivory	\$149
Group Control System (GCS-II)	1,001
Maintained SP-DT Paddle Switch with Face Plate (For Use with GCS-II)—White or Ivory	88

Other Options

Motor Tester Cable	\$402
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IGC 4n1 Options

IGC 4n1 Motor Group Control	\$1,320
IGC 4n1 Switch—White	171
RTS to IGC 4n1 Receiver	578

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