NORMAN®
SHUTTERS. BLINDS. SHADES.

Soluna™ Roller Shades

PROGRAM REFERENCE GUIDE

Revision Log

Date	Changes
11/22/2022	Pg. 10: Updated Lola BO fabric code to AA0344-A. All remaining Lola BO colors have now been converted. Pg. 18: Updated max # of channels (10) allowed to be assigned to each shade/motor.
1/1/2023	General Update: Discontinued 25CE/25TE/35E motor options for Soluna™ roller shades. See dedicated 2023 motorization specifications for additional details. Pg. 30,19: Updated motorized shade size considerations Pg. 35-43: Updated new motor specifications Pg. 14: Continuous Cord Loop: Running change on safety tension device color in Cottage White to Clear.
2/15/2023	Pg. 13: Discontinuing F0892 Linen Sand in the Breeze collection
3/31/2023	General Updates: - For Coupled Shades: All Top Treatment options are now available. - For LightGuard 360™: OM 3-sided application now available with No Bottom Channel or IM "U" Bottom Channel selections. - Discontinuing Canvas AA0345 collection Pg. 13: Discontinued Canvas AA0345 collection Pg. 19: Added LG360 OM bottom channel options Pg. 22, 23: Updated Coupled Shades options Pg. 25: Updated Top Treatment availability chart
6/9/2023	General Update: *California (CA) only*: Select RD and Solar Commercial fabrics are no longer available in CA, per state regulations. Pg. 6,14: Updated Continuous Cord Loop Safety Tension Device color from Cottage White to Clear Pg. 9,12: Updated fabric availability for MA & CA Pg. 19: Added handle position info on LG360 Cordless shades Pg. 29: Added new size for complimentary poles with taller shades
7/1/2023	General Update: New Door Cassette System available for door applications. Pg. 13: Discontinued F0384 Charcoal in the A400 3% collection (Commercial Solar Screen) Pg. 14: Added color coordination info Pg. 20: Added Charging Port colors (Norman Smart Motorization) Pg. 21-22: Added Door Cassette specifications Pg. 37-38: Added motorized fabric deduction info
8/1/2023	General Update: All Roller fabrics are now available with LightGuard 360™ Pg. 19: Updated fabric availability note
8/22/2023	General Update: All cassette and top treatment types are available for both window and door applications. Pg. 6,14: Updated Continuous Cord Loop Safety Tension Device color from Cottage White to Clear Pg. 21,22: Added window specification to Cassette System Pg. 25: Added Install on Door option for all Top Treatment types
11/27/2023	Pg. 13: Discontinued F0390 Charcoal in the A400 5% collection (Commercial Solar Screen)
12/18/2023	Pg. 23: Add running change note for Coupled Shades gap
1/1/2024	General Update: NEW Application: Independently Operated Coupled Shades will be available January 1st Pg. 13: Discontinued F1242 Umber & F1243 Steel from the Serene 7% collection, F1447 Natural from the Chelsea collection, and F1510 Pearl from the Summerland collection Pg. 23: Dual Shades: Add expanded control options Pg. 23,39-40: Coupled Shades: Add Independently Operated system; Updated Coupled Shades gap
1/8/2024	Pg. 13: Discontinued F0378 Charcoal in the A400 1% collection (Commercial Solar Screen)
1/12/2024	Fabric Notice: F1453 Stone in the Sierra collection is temporarily out of stock. Estimated to be back in stock in March 2024.
2/1/2024	General Update: Pg. 19,21: Fabric Wrapped option available for LightGuard 360™ and Cassette systems.
2/12/2024	Pg. 7-12: Added FR Fabric Availability List

Table of Contents

Features & Benefits

- The latest sheers, light filtering, solar screen and room darkening fabrics; select fabrics are NFPA 701 and GREENGUARD certified.

- Safer lift systems, including our PrecisionLift™ Cordless– certified WCMA Best for Kids™
    - PrecisionLift™: also known as our new cordless roller shade. To lower, gently pull the shade by the handle to the desired location. To raise, simply push the hem bar to the desired location. No additional pulling or tugging is required.
    - Tension adjustment dial allows you to fine tune when necessary

- Choose from a wide array top treatment options to cover the fabric roll, including curved and square fascia, fabric valance or deluxe wooden valance.

- Optional innovative Light Guard mounts to the window and helps achieve maximum light block effect even on the top and sides.

- Hem bar options
    - Plain Hem Bar: Clean, sleek and sturdy; perfectly weighted to provide seamless function.
    - Fabric-wrapped Hem Bar: The matching fabric wrap provides a more uniform look throughout the shade

Lift Systems & Applications

- PrecisionLift™ Cordless
- Continuous Cord Loop
- SmartRelease™ Cord Loop
- Motorized
- *Applications:* LightGuard 360™, Cassette System, Dual Shades, Coupled Shades & Side by Side

Installation Methods:

Windows: top mount or side (wall) mount and door applications

Fabric Information

Max Fabric Width

Fabric width is considered the max width available before additional lift system limitations, and before railroading (when available). Fabric width is not the max order shade width. See Size Considerations for lift system limitations.

Railroading

Fabrics in the AB600 (8%) & W120 (12%) collections can be turned 90° clockwise (width for height) to accommodate wider windows. Railroaded fabrics may curl along the edge. This is considered normal and is not a product defect. Railroading may be required a few inches smaller than the fabric width and width due to factors, such as standard fabric deductions, allowances for fabric to be attached to the roller tube, etc. Some fabrics have distinct patterns that may be noticed when railroaded in comparison to non-railroaded shades. For matching purposes, Side by Side can be selected in order entry which will railroad all shades in the same room or order.

Opacity and Light Control

Fabric Opacity	Privacy Level	Description
Sheer	Minimal	Provides an atmospheric touch with significant view-through while softening the outside view. Objects in the room can be seen clearly through sheer shades.
Light Filtering	Medium	Offers a wide range of light diffusion from bright to dim. Shapes or outlines may be seen through these shades but details are not visible.
Room Darkening	High	Blocks a significant amount of incoming light and provides maximum privacy. A perfect choice for rooms where blackout and privacy control is a must.

Fabric Disclaimers

Due to the nature of the weaving process, some imperfections in the weave is considered normal. Fabric appearance can vary based on the indoor light intensity. Railroaded fabrics may curl along the edge. This is not a defect and is considered normal. Due to variations in fabric and dye lots, colors or sheens may vary slightly. It is recommended that all shades for the same room be ordered at the same time to help ensure color consistency.

Natural Fabrics may have variations and visual inconsistencies in color, grain and texture. They may also fray, crack or split, twist or bow, shrink or stretch, and change color over time due to aging, texture, direct exposure to sunlight, or other climatic conditions. These unique characteristics are inherent in natural materials and are not considered defects in material or workmanship. Repairs/ Remake will be only with like or similar parts or products supplied. Exact color matches cannot be guaranteed.

Room Darkening Fabrics

When a room darkening shade is first installed and is in a completely lowered position, it is common to notice minor indentations on the fabric near the roller tube. Additionally, when the shade is left partially raised for an extended period of time, it is also common to notice slight fabric dentitions. These indentations will usually go away after the shade is in a completely lowered position for a few days. This is one of the common characteristics of room darkening fabrics with coating.

All Room Darkening fabrics are coated with an acrylic coating on the back of the fabric to achieve the most light-blocking solution, except for Clarissa RD. Clarissa RD is a room darkening fabric with no back coating, with the same color both on the front and back. Lighter colors in this fabric collection may block less light than darker colors. For the best light-blocking color in the Clarissa RD collection, select Coal F1550.

Linen Fabrics Maui (RD), Breeze, Summerland, and Scarlett collections contain linen components. The natural, inherent characteristics of linen may lead to color variation when shades are ordered at different times.

Solar Screens Openness factor refers to approximately how tight the weave is. Solar screen fabrics have different textures and patterns, and the angle of the yarns can affect the passage of the light. A low openness factor means the fabric is more tightly woven and that there will be less visibility through the shade with a higher degree of light control. A high openness factor provides better view-through with a lesser degree of light control. It is within industry standard that solar screen fabrics have a minimum tolerance level of +/- 10% in openness factor. As a result, openness cannot be used to determine visibility, glare and thermal control.

During the shipping process, the material may shift slightly due to its woven construction, causing slight shortening or uneven edges. There may also be slight creases in the fabric. To remove creases, immediately unroll the shade completely, extend, and let it hang for several days.

Fabric List

Default Color Coordination by the Fabric (see Color Coordination page for all options)	
Color Coordination 1: Fascia (Plain) / Hem bar (Plain) / General Hardware (3 colors: White, Cottage White, Black)	**Color Coordination 2:** Chain / Safety Tension Device / Curved Fascia (with fabric) end caps / Hem bar (with fabric) end caps (8 colors: White†, Cottage White†, Black†, Silver, Nature, Terra, Sahara, Chocolate) †**For Continuous Cord Loop Shades**: The safety tension device color for White, Cottage White, and Black components will be Clear.

Light Filtering Sheer & Natural Fabrics (1/2)

	Fabric List			Default Color Coordination		Fabric Width	Price Group	Material
Fabric Type	**Collection Name**	**Color Code**	**Color Name**	**Color Coordination 1:**	**Color Coordination 2:**			
Sheer	Sheer	F0838	Onyx	Black	2208 Black †	106"	2	100% Polyester
		F0908	Linen Weave ✓	White	2058 White †	110"		
Sheer	Dazzle ✓	F1538	Soft White	White	2058 White †	110"	2	100% Polyester
		F1539	Eggshell	Cottage White	2094 Cottage White †			
		F1540	Pewter Green	White	2058 White †			
		F1541	Charcoal	Black	2463 Chocolate †			
		F1542	Ink	Black	2208 Black †			
Natural	Aruba	F0860	Sparkle Ivory	Cottage White	2094 Cottage White	96"	3	30.8% Polyester, 57.8% Paper, 11.4% Jute
		F0861	Sparkle Khaki	Cottage White	2578 Sahara			
		F0862	Sparkle Espresso	Black	2208 Black			
Natural	Caroline	F0867	White Sand	White	2058 White	96"	3	22% Polyester, 61% Paper, 17% Jute
Natural	Samoa	F0863	Daylight	White	2058 White	96"	2	23% Polyester, 26% Paper, 51% Jute
		F0864	Sand	Cottage White	2094 Cottage White			
		F0865	Cumin	Cottage White	2094 Cottage White			
		F0866	Old Teak	Black	2208 Black			
Natural	Bali	F0668	Black Walnut	Black	2208 Black	78"	2	74% Jute, 26% Polyester
Natural	Phuket	F0656	Snow White	White	2058 White	96"	2	82% Paper, 18% Polyester
		F0657	Honey	Cottage White	2578 Sahara			
		F0659	Black Olive	Black	2208 Black			
		F0660	Grey Fog	White	2058 White			
		F0661	Dust	Cottage White	2578 Sahara			
		F0868	Dough	Cottage White	2094 Cottage White			
Natural	Bora Bora	F0662	Seashell White	White	2058 White	96"	2	82% Paper, 18% Polyester
		F0663	Straw	Cottage White	2094 Cottage White			
		F0869	Cinnamon	Cottage White	2463 Chocolate			
Natural	Sumatra	F0854	Fog	Black	2208 Black	96"	2	22% Polyester, 78% Paper
Natural	Java	F0856	Raffia	Cottage White	2463 Chocolate	78"	2	9% Polyester, 91% Paper
		F0857	Haystack	Cottage White	2094 Cottage White			
		F0858	Natural	Cottage White	2578 Sahara			
		F0859	Sage	White	2058 White			
		F1562	Toasted Brown	Cottage White	2578 Sahara			
Natural	Riviera	F1290	Frost	White	2058 White	94.5"	2	Paper 84%, Polyester 16%
		F1291	Sugar Cane	White	2058 White			
		F1292	Honey	Cottage White	2578 Sahara			
		F1293	Metal	Black	2208 Black			

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† For Sheer shades with Cord Loop (Manual Clutch), the default color for the safety tension device will be Clear. Optional color override is available.

Light Filtering Sheer & Natural Fabrics (2/2)

Fabric Type	Collection Name	Color Code	Color Name	Color Coordination 1:	Color Coordination 2:	Fabric Width	Price Group	Material
			Fabric List		**Default Color Coordination**			
Natural	Maui (Natural)	F1543	Vanilla Stripe	White	2058 White	94.5"	3	16% Polyester, 58% Paper, 26% Cotton
Natural	Maui (Natural)	F1544	Natural Stripe	Cottage White	2334 Terra	94.5"	3	16% Polyester, 58% Paper, 26% Cotton
Natural	Maui (Natural)	F1545	Slate Stripe	Black	2129 Silver	94.5"	3	16% Polyester, 58% Paper, 26% Cotton
Natural	Maui (Natural)	F1548	Ink/Natural	Black	2208 Black	94.5"	3	47.5% Polyester, 52.5% Paper
Natural	Maui (Natural)	F1549	Coffee/Natural	Black	2208 Black	94.5"	3	47.5% Polyester, 52.5% Paper
Natural	Bahamas	F1546	Wheat	Cottage White	2094 Cottage White	94.5"	3	18.5% Polyester, 35% Paper, 46.5% Cotton
Natural	Bahamas	F1547	Steel	Black	2129 Silver	94.5"	3	18.5% Polyester, 35% Paper, 46.5% Cotton
Natural	Lake Tahoe	F1577	Stone	White	2058 White	96"	2	27.7% Polyester, 72.3% Paper
Sheer	Scarlett ✓	F1599	Cottage Linen	White	2058 White †	118"	1	95.5% Polyester, 4.5% Linen
Sheer	Scarlett ✓	F1600	Seashell	Cottage White	2094 Cottage White †	118"	1	95.5% Polyester, 4.5% Linen
Sheer	Scarlett ✓	F1601	Crema	Cottage White	2094 Cottage White †	118"	1	95.5% Polyester, 4.5% Linen
Sheer	Scarlett ✓	F1602	Stone	Black	2334 Terra †	118"	1	95.5% Polyester, 4.5% Linen

** Note: Maui Natural AB0671* has a max fabric height of 120".

† For Sheer shades with Cord Loop (Manual Clutch), the default color for the safety tension device will be Clear. Optional color override is available.

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Light Filtering Designer Fabrics (1/2)

Collection Name	Color Code	Color Name	Color Coordination 1:	Color Coordination 2:	Fabric Width	Price Group	Material
		Fabric List		**Default Color Coordination**			
Kendra ✓	F0890	LF Foliage	White	2058 White	118"	4	100% Polyester
Francis ✓	F0883	Brownie	Black	2463 Chocolate	106"	2	100% Polyester
Francis ✓	F0876	Pearl	Cottage White	2094 Cottage White	110"	2	100% Polyester
Francis ✓	F0877	Barley	Cottage White	2094 Cottage White	110"	2	100% Polyester
Francis ✓	F0878	Sandstone	Cottage White	2578 Sahara	110"	2	100% Polyester
Francis ✓	F0879	Toast	Black	2208 Black	110"	2	100% Polyester
Francis ✓	F0882	Espresso	Black	2208 Black	110"	2	100% Polyester
Francis ✓	F0884	Oatmeal	Cottage White	2094 Cottage White	110"	2	100% Polyester
Francis ✓	F0885	Doe	Black	2208 Black	110"	2	100% Polyester
Francis ✓	F0886	Shale	Black	2463 Chocolate	110"	2	100% Polyester
Francis ✓	F0887	Jet	Black	2208 Black	110"	2	100% Polyester
Francis ✓	F0888	Black	Black	2208 Black	110"	2	100% Polyester
Francis ✓	F0889	Denim	White	2058 White	110"	2	100% Polyester
Breeze ✓	F0891	Linen Flax	Cottage White	2094 Cottage White	118"	3	85.4% Polyester, 14.6% Linen
Breeze ✓	F0893	Linen Natural	White	2058 White	118"	3	85.4% Polyester, 14.6% Linen
Breeze ✓	F0894	Linen Khaki	Cottage White	2094 Cottage White	118"	3	85.4% Polyester, 14.6% Linen
Breeze ✓	F0895	Linen Dune	Cottage White	2578 Sahara	118"	3	85.4% Polyester, 14.6% Linen
Breeze ✓	F0896	Linen Graphite	Cottage White	2334 Terra	118"	3	85.4% Polyester, 14.6% Linen
Breeze ✓	F0927	Linen Almond Milk	White	2058 White	118"	3	85.4% Polyester, 14.6% Linen
Hayes	F0747	Maple	Cottage White	2334 Terra	106"	2	100% Polyester
Hayes	F0748	Hickory	Cottage White	2094 Cottage White	106"	2	100% Polyester
Hayes	F0749	Birch	Black	2208 Black	106"	2	100% Polyester
Hayes	F0751	Mahogany	Black	2208 Black	106"	2	100% Polyester

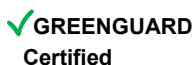✓ **GREENGUARD** Certified

✓ **NFPA 701 Compliant (Flame Resistant)***

*Select colors on this list are FR rated. This information has been moved to a new page. Click here to see the complete list of FR rated fabric availability.

Light Filtering Designer Fabrics (2/2)

Collection Name	Color Code	Color Name	Color Coordination 1:	Color Coordination 2:	Fabric Width	Price Group	Material
Valerie	F0738	Moonscape	White	2058 White	106"	2	100% Polyester
	F0739	Cove	White	2334 Terra			
	F0740	Dolphin	White	2129 Silver			
	F0741	Pomegranate	Black	2208 Black			
	F0742	Sapphire	Black	2208 Black			
	F0743	Silhouette	Black	2208 Black			
Emery ✓	F0752	Daylight	White	2058 White	118"	2	100% Polyester
	F0754	Khaki	Cottage White	2094 Cottage White			
	F1560	Chiffon	Cottage White	2094 Cottage White			
	F1561	Maize	Cottage White	2094 Cottage White			
Brook ✓	F1120	Pewter	White	2129 Silver	110"	1	100% Polyester
	F1121	Egret	White	2058 White			
	F1122	Smoke	White	2058 White			
	F1123	Beige	Cottage White	2094 Cottage White			
	F1157	Latte	Cottage White	2094 Cottage White			
Chelsea ✓	F1445	Snow	White	2058 White	110"	1	100% Polyester
	F1446	Cream	White	2058 White			
	F1448	Stone	Black	2129 Silver			
	F1449	Caviar	Black	2208 Black			
Sierra ✓	F1450	Snow	White	2058 White	110"	2	100% Polyester
	F1451	Cream	White	2058 White			
	F1452	Natural	Cottage White	2578 Sahara			
	F1453	Stone (currently out of stock)	Black	2129 Silver			
	F1454	Caviar	Black	2208 Black			
Shimmer ✓	F1436	Goldmine	Black	2334 Terra	110"	2	100% Polyester
	F1437	Starry Night	Black	2463 Chocolate			
	F1438	Silver	White	2058 White			
	F1439	Pewter	Black	2129 Silver			
	F1440	Midnight	Black	2208 Black			
Amelia ✓	F1484	Mist Gray	White	2058 White	118"	2	100% Polyester
	F1485	Heather Gray	Black	2129 Silver			
	F1486	Heather Charcoal	Black	2129 Silver			
	F1487	Heather Smoke	Black	2208 Black			
Lola LF ✓	F1551	Porcelain	White	2058 White	118"	2	100% Polyester
	F1552	Almond	Cottage White	2094 Cottage White			
	F1553	Light Khaki	White	2058 White			
	F1554	Wheat	Cottage White	2334 Terra			
	F1555	Platinum	White	2058 White			
	F1556	Cement	Cottage White	2129 Silver			
	F1557	Pewter	Black	2129 Silver			
	F1558	Iron	Black	2208 Black			
	F1559	Indigo	Black	2208 Black			
Clarissa ✓	F0870	Wheat	White	2058 White	118"	3	100% Polyester
	F0871	Platinum	White	2058 White			
	F0872	Tobacco Brown	Cottage White	2578 Sahara			
	F0873	Sable Brown	Black	2208 Black			
	F0874	Burlap	White	2058 White			
	F0928	Porcelain	White	2058 White			

* F1453 Stone in Sierra is currently out of stock.
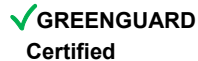
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NFPA 701 Compliant (Flame Resistant)*

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Room Darkening Fabrics (1/2)

Fabric List			Default Color Coordination		Fabric Width	Price Group	Material
Collection Name	Color Code	Color Name	Color Coordination 1:	Color Coordination 2:			
Garden ✓	F0853	RD Foliage	White	2058 White	118"	3	100% Polyester
	F1514	Winter White	White	2058 White			
	F1515	Ecru	White	2579 Nature			
	F1516	Cinnamon	Black	2463 Chocolate			
	F1517	Forest	Black	2208 Black			
	F1518	Midnight	Black	2208 Black			
Luxe	F0818	Flint	Cottage White	2094 Cottage White	94.5"	3	100% Polyester
Cambria ✓	F0850	Ivory	Cottage White	2579 Nature	118"	2	100% Polyester
	F0852	Jet	Black	2208 Black			
Glamour ✓	F0841	Persimmon	White	2058 White	118"	1	100% Polyester
	F0842	Limelight	White	2058 White			
	F0844	Aquamarine	White	2058 White			
	F0845	North Sea	White	2058 White			
	F0846	Rose	White	2058 White			
	F0848	Violet	White	2058 White			
	F1108	White	White	2058 White			
	F1109	Stone Gray	Black	2129 Silver			
	F1110	Broken White	White	2058 White			
	F1111	Cloudy Gray	White	2058 White			
	F1112	Gray	Black	2129 Silver			
	F1113	Anthracite Gray	Black	2208 Black			
Maui (RD)	F0830	Almond	White	2058 White	110"	2	80% Polyester, 20% Linen
Jamaica	F0827	Latte	White	2058 White	94.5"	2	100% Polyester
	F0828	Crystal	White	2058 White			
	F0829	Biscuit	White	2058 White			
Bermuda	F0831	Mushroom	Cottage White	2094 Cottage White	94.5"	2	100% Polyester
	F0832	Cocoa	Black	2463 Chocolate			
	F0834	Charcoal	Black	2208 Black			
Fiji	F0822	Pure White	White	2058 White	90"	2	100% Polyester
	F0823	Cream/Ash	White	2058 White			
	F0824	Flax/Brown	Cottage White	2094 Cottage White			
	F0825	Chocolate/Cream	Black	2208 Black			
	F0826	Charcoal/Brown	Black	2208 Black			
Bridget ✓	F1030	Cream	White	2058 White	110"	4	100% Polyester
	F1041	Latte	Cottage White	2578 Sahara			

* Note: Luxe AB0610, Fiji AB0611, Bermuda AB0612, and Jamaica AB0613 have a max fabric height of 118"

✓ **GREENGUARD Certified**   ✓ **NFPA 701 Compliant (Flame Resistant) ***   ✓ **Water Resistant**

*Select colors on this list are FR rated. This information has been moved to a new page. Click here to see the complete list of FR rated fabric availability.

Room Darkening Fabrics (2/2)

Collection Name	Color Code	Color Name	Color Coordination 1:	Color Coordination 2:	Fabric Width	Price Group	Material
Lola BO ✓	F1455	Porcelain	White	2058 White	118"	3	100% Polyester
	F1456	Almond	Cottage White	2094 Cottage White			
	F1457	Light Khaki	White	2058 White			
	F1458	Wheat	Cottage White	2334 Terra			
	F1459	Platinum	White	2058 White			
	F1460	Cement	Cottage White	2129 Silver			
	F1461	Pewter	Black	2129 Silver			
	F1462	Iron	Black	2208 Black			
	F1463	Indigo	Black	2208 Black			
Clarissa RD ✓	F1532	Powder	Cottage White	2579 Nature	118"	3	100% Polyester
	F1533	Steel	Black	2129 Silver			
	F1534	Silver Satin	Black	2129 Silver			
	F1535	Golden Straw	Black	2578 Sahara			
	F1536	Coffee Bean	Black	2463 Chocolate			
	F1550	Coal	Black	2208 Black			
Summerland ✓	F1511	Maize	Cottage White	2094 Cottage White	118"	3	90% Polyester, 10% Linen
	F1512	Sterling	White	2129 Silver			
Cory ✓	F1479	White	White	2058 White	118"	3	100% Polyester
	F1480	Ivory	Cottage White	2094 Cottage White			
	F1481	Sand	White	2058 White			

✓ GREENGUARD Certified   ✓ NFPA 701 Compliant (Flame Resistant) *   ✓ Water Resistant

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Solar Screens (1/2)

Collection Name	Color Code	Color Name	Color Coordination 1:	Color Coordination 2:	Price Group	Fabric Width	Material
Lakeview 3%	F1270	Light Taupe	White	2579 Nature	3	118"	100% Polyester
	F1271	Sand Drift	Cottage White	2334 Terra			
Lakeview 7%	F1266	Flax	White	2579 Nature	3		
	F1267	Yellow Stone	Cottage White	2334 Terra			
Lakeview 10%	F1268	Frost Gray	Black	2129 Silver	3		
	F1269	Java	Black	2463 Chocolate			
Meadows 1%	F1274	Travertine	White	2579 Nature	3		
	F1275	Mushroom	Black	2208 Black			
	F1276	Sun Buff	Black	2463 Chocolate			
Meadows 3%	F1272	Rustic Brown	Black	2463 Chocolate	3		
	F1273	Earth Brown	Black	2463 Chocolate			
Jubilee 3%	F1280	Egg Shell	White	2058 White	3		
	F1277	Sweet Cream	White	2058 White			
	F1278	Steel Blue/Beige	Black	2129 Silver			
	F1279	Chestnut	Black	2334 Terra			
	F1281	Coal	Black	2208 Black			

✓✓ All Polyester Solar Screens are NFPA 701 compliant (Flame Resistant) & GREENGUARD Certified   UV Ray/Light blockage is the inverse of the Solar openness factor. ie (5 %) blocks 95% UV rays and light   PVC FREE

Solar Screens (2/2)

Fabric List			Default Color Coordination		Price Group	Fabric Width	Material
Collection Name	Color Code	Color Name	Color Coordination 1:	Color Coordination 2:			
Moon 5%	F1519	Chalk	White	2058 White	2	118"	100% Polyester
	F1520	Pearl Linen	White	2058 White			
	F1521	Pearl	Cottage White	2094 Cottage White			
	F1522	Pearl Pewter	White	2058 White			
	F1523	Charcoal Chestnut	Black	2208 Black			
	F1524	Charcoal Gray	Black	2208 Black			
	F1525	Raven Black	Black	2208 Black			
Serene 1%	F1158	Snow White	White	2058 White	2		
	F1150	Silver	White	2129 Silver			
	F1149	Umber	Black	2334 Terra			
	F1151	Steel	Black	2129 Silver			
Serene 3%	F1232	Snow White	White	2058 White	2		
	F1233	Silver	White	2129 Silver			
	F1234	Umber	Black	2334 Terra			
	F1235	Steel	Black	2129 Silver			
Serene 7%	F1240	Snow White	White	2058 White	1		
	F1241	Silver	White	2129 Silver			
Flow 1%	F1244	Polar White	White	2058 White	2		
	F1245	Wheat	White	2579 Nature			
	F1246	Quarry Stone	White	2129 Silver			
	F1247	Ink	Black	2208 Black			
Flow 5%	F1159	Polar White	White	2058 White	2		
	F1152	Wheat	White	2579 Nature			
	F1154	Quarry Stone	White	2129 Silver			
	F1153	Ink	Black	2208 Black			
Flow 7%	F1248	Polar White	White	2058 White	1		
	F1249	Wheat	White	2579 Nature			
	F1250	Quarry Stone	White	2129 Silver			
	F1251	Ink	Black	2208 Black			
Windsong 1%	F1252	Soft White	White	2058 White	2		
	F1253	Canvas	Cottage White	2094 Cottage White			
	F1254	Graphite	Black	2208 Black			
	F1255	Raven Black	Black	2208 Black			
Windsong 5%	F1260	Soft White	White	2058 White	1		
	F1261	Canvas	Cottage White	2094 Cottage White			
	F1262	Nickel	Black	2129 Silver			
	F1263	Graphite	Black	2208 Black			
	F1264	Eclipse	Black	2208 Black			
	F1265	Raven Black	Black	2208 Black			

All Polyester Solar Screens are NFPA 701 compliant (Flame Resistant) & GREENGUARD Certified

UV Ray/Light blockage is the inverse of the Solar openness factor. *ie (5 %) blocks 95%* UV rays and light

PVC FREE

*Select colors on this list are FR rated. This information has been moved to a new page. Click here to see the complete list of FR rated fabric availability.

Solar Screens (Commercial)

Fabric List			Default Color Coordination		Fabric Width	Price Group	Material
Collection Name	Color Code	Color Name	Color Coordination 1:	Color Coordination 2:			
A300 (1%)	F0355	Pearl	White	2058 White	118"	2	30% Polyester, 70% PVC
	F0356	Pearl/Linen	White	2058 White			
	F0357	Pearl/Pewter	White	2058 White			
	F0358	Charcoal/Chestnut	Black	2208 Black			
	F0359	Charcoal/Gray	Black	2208 Black			
A400 (1%)	F0379	Charcoal/Chestnut	Black	2208 Black	118"	2	
	F0380	Charcoal/Gray	Black	2208 Black			
A300 (3%)	F0360	Pearl	White	2058 White		1	
	F0361	Pearl/Linen	Cottage White	2094 Cottage White			
	F0362	Pearl/Pewter	White	2058 White			
	F0363	Charcoal/Chestnut	Black	2208 Black			
	F0364	Charcoal/Gray	Black	2208 Black			
A400 (3%)	F0381	Chalk	White	2058 White	118"	1	
	F0382	Chalk/Beige	Cottage White	2094 Cottage White			
A100 (3%)	F0400	Oyster/Beige	Cottage White	2094 Cottage White	118"	1	
	F0404	Black/Straw	Black	2463 Chocolate			
A820 (3%)	F0407	Oyster/Pewter	White	2129 Silver	118"	2	30% Polyester, 70% PVC
A300 (5%)	F0365	Pearl	White	2058 White	118"	1	
	F0366	Pearl/Linen	Cottage White	2094 Cottage White			
	F0367	Pearl/Pewter	White	2058 White			
	F0368	Charcoal/Chestnut	Black	2208 Black			
	F0369	Charcoal/Gray	Black	2208 Black			
A400 (5%)	F0387	Chalk	White	2058 White	118"	1	
	F0388	Chalk/Beige	White	2058 White			
	F0389	Chalk/Pewter	White	2058 White			
	F0391	Charcoal/Chestnut	Black	2208 Black			
A300 (10%)	F0370	Pearl	White	2058 White	118"	1	
A400 (10%)	F0396	Charcoal	Black	2208 Black	118"	1	
AB600 (5%)	F0897	Wave	Cottage White	2334 Terra	118"	3	
	F0898	Tweed	Cottage White	2463 Chocolate			
AB600 (8%)	F0899	Cappuccino	Cottage White	2463 Chocolate	98" Railroad 98" to 118"	3	
	F0900	Smoke	Black	2208 Black			
W120 (12%)	F0443	Chalk	White	2058 White	98" Railroad 98" to 118"	2	15% Polyester, 85% PVC
	F0444	Beige	Cottage White	2094 Cottage White			
	F0446	Tawny	Cottage White	2094 Cottage White			
	F0447	Pewter	Black	2208 Black			
	F0448	Chestnut	Black	2208 Black			

✔ All Solar Screens are **GREENGUARD Certified**

✔ **NFPA 701 Compliant (Flame Resistant) ***

UV Ray/Light blockage is the inverse of the Solar openness factor. *ie (5 %) blocks 95%* UV rays and light

*Select colors on this list are FR rated. This information has been moved to a new page. Click here to see the complete list of FR rated fabric availability.

Discontinued Fabrics:
*The following fabrics are **no longer available**. Please remove from sample portfolios immediately.*

Room Darkening
- **F0456 Mustard** in Loft
- **F0455 White** in Loft
- **F0833 Gray** in Bermuda
- **F0847 Raspberry** in Glamour
- **F0849 Snow White** in Cambria
- **F0653 Brilliant White** in Jewel
- **F0457 Graphite** in Loft
- **F0458 Blue** in Loft
- **F0459 Linen** in Loft
- **F0843 Willow** in Glamour
- **F0817 Snow** in Luxe
- **F0820 Dusted Moss** in Luxe
- **F0821 Ink** in Luxe
- **F0819 Espresso** in Luxe
- **F0652 Sugar Peach** in Jewel
- **F0851 Parchment** in Cambria
- **F1468 White** in Canvas
- **F1469 Heather Gray** in Canvas
- **F1510 Pearl** in Summerland

Solar Screen (Commercial)
- **F0449 Charcoal** in W120 (12%)
- **F0445 Sandstone** in W120 (12%)
- **F0384 Charcoal** in A400 (3%)
- **F0390 Charcoal** in A400 (5%)
- **F0378 Charcoal** in A400 (1%)

LF Designer
- **F0756 Toffee** in Emery
- **F0757 Onyx** in Emery
- **F0880 Mocha** in Francis
- **F0750 Rosewood** in Hayes
- **F0881 Mink** in Francis
- **F1434 Warm Beige** in Shimmer
- **F1435 Champagne** in Shimmer
- **F0753 Creamy** in Emery
- **F1433 Snow** in Shimmer
- **F0892 Linen Sand** in Breeze
- **F1447 Natural** in Chelsea

LF Sheer & Natural
- **F0666 Natural** in Bali
- **F0667 Tan** in Bali
- **F0902 Sheer Foliage** in Sheer
- **F0658 Cocoa** in Phuket
- **F0903 Garden** in Sheer
- **F0837 Frost** in Sheer
- **F0835 Sweet Cream** in Sheer
- **F0904 Palm** in Sheer
- **F0855 Redwood** in Sumatra
- **F0836 Pumpkin** in Sheer

Solar Screen
- **F1242 Umber** in Serene 7%
- **F1243 Steel** in Serene 7%

Additional Discontinued Fabrics in California (CA) and Massachusetts (MA) ONLY:
*The following fabrics are **no longer available in these states**. Please remove from sample portfolios immediately.*

Solar Screen (Commercial)
- **AB600 (5%) Collection**
  F0897 Wave, F0898 Tweed
- **AB600 (8%) Collection**
  F0899 Cappuccino, F0900 Smoke
- **W120 (12%) Collection**
  F0443 Chalk, F0444 Beige, F0446 Tawny, F0447 Pewter, F0448 Chestnut

Color Coordination

Each fabric has a set of pre-coordinated default hardware colors. Please see Color Coordination columns 1 & 2 for details by the fabric in the fabric list. If you wish to override these default colors, please specify in your order selection. Various components that are available for color coordination override include:

		Color Coordination 1								Optional	Optional
						Color Coordination 2					
		White	Cottage White	Black	Silver	Nature	Terra	Sahara	Chocolate	Anodized Silver	Stainless Steel
Default Coordination based on fabric selection	General Hardware	✓	✓	✓	N/A						
	Bead Chain	✓ **	✓ **	✓ **	✓	✓	✓	✓	✓	N/A	✓
	Square / Curved Fascia (Plain)	✓	✓	✓	N/A					✓	N/A
	Hem Bar (Plain)	✓	✓	✓	N/A					✓	
	End Caps: Fabric-wrapped Hem Bar & Fabric-wrapped Curved Fascia	✓	✓	✓	✓	✓	✓	✓	✓	N/A	
	Charging Port (General Hardware selection)	✓	✓	✓	✓ Optional	N/A					
No Default Coordination. Must select from the colors available.	LG360: Housing, Channels, & Charging Port	✓	✓	✓	✓	N/A					
	Cassette	✓	✓	✓	✓	N/A					

I. **General Hardware** refers to the headrail system, including shade brackets, raceway, end plugs, clutch, bracket covers, tension dial, etc. & also includes the back of a fabric-wrapped hem bar. Available in 3 default colors; optional override is available. *(Color Coordination 1)*
   1. Note: OM mounting brackets are nickel plated by default. Optional color override is not available.
   2. For Top Treatment Fabric override, the General Hardware will default to the shade's fabric coordination unless a General Hardware override is specified.
   3. For Norman Smart Charging Wand Shades: The charging port color will coordinate with the General Hardware default or selection. Silver Charging Port is optional.

II. **Clutch plastic bead chain** is available in 8 default colors and 9 total optional colors. Optional color override is now available. *(Color Coordination 2)*
   1. Stainless Steel chain is optional.
   2. The Safety Tension Device will coordinate with the default or optional chain color. Available in 8 default colors, except for some Continuous Cord Loop shades:
   3. *Sheer fabrics: The default color of the tension device will be Clear.
   (**) Chain colors: For fabrics with this bead color, the default safety tension device will be Clear. If an optional color override is selected, then the tension device will match the newly selected plastic chain color.

III. **Plain Curved Fascia, Square Fascia and Plain Hem Bar** is available in 3 default colors; optional color override available. *(Color Coordination 1)*
   1. Anodized Silver is optional.

IV. **End caps for Curved Fascia with fabric insert** and **end caps for fabric-wrapped hem bar** are available in 8 default colors; optional color override available. *(Color Coordination 2)*
   1. The hem bar is wrapped with fabric at the front but the back is left plain. The back of the fabric-wrapped hem bar will coordinate with the selected fabric under General Hardware. Optional color override is available. *(Color Coordination 1)*

V. **Dual Shades:** Due to the multiple systems in this application, the General Hardware *(Color Coordination 1)* will not be available for optional override and its coordination is determined accordingly:
   1. The raceway, brackets and bracket covers will always match with the front shade color coordination.
   2. The rest of the components such as clutch, end plug, chain, etc. will match with the fabric selected for that shade.
   3. If a color override is required for a dual shade, please specify in Special Instructions.

VI. **LightGuard 360™**
   1. Housing color must be selected. Color Coordination 1 & 2 by the fabric do not apply to LG360. See available options here.
   2. General Hardware is Black.

VII. **Cassette System**
   1. Cassette color must be selected. Selection will determine Color Coordination for plain hem bars. See available options here.
   2. Color Coordination 1 & 2 by the fabric only applies to the end caps for fabric-wrapped hem bar and bead chain for CCL.
   3. General Hardware is Black.

Optional Anodized Silver Hardware
- Matte finish
- Available for Plain Curved Fascia, Square Fascia and Plain hem bar.
  - The end caps will be provided in White.

Lift Systems - PrecisionLift™ Cordless
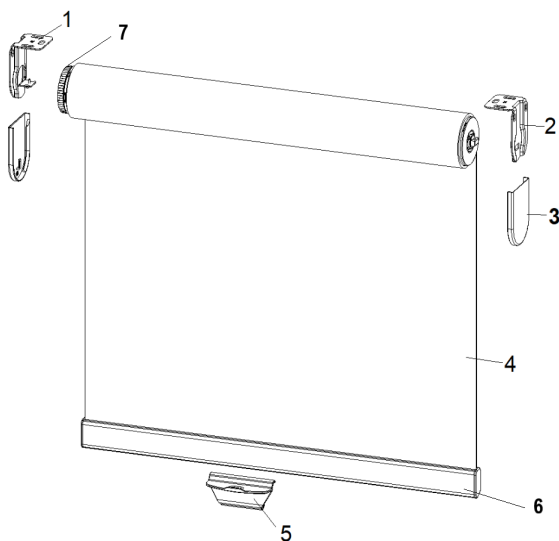
No.	Description	Remark
1	Shade Bracket	For Tension Dial end
2	Shade Bracket	For End Plug end
3	Bracket Cover	Default for inside & outside mount
4	Fabric	
5	Handle	
6	Hem Bar	
7	Tension Adjustment Dial	

PrecisionLift™ also known as Cordless, is our STANDARD system available for roller shades.

Featuring exclusive one-touch lift technology for quick, accurate, and nimble control. To lower, gently pull the shade by lifting the handle to the desired position. To raise, just push the Hem Bar to the desired location. No additional pulling or tugging is required.

If the shade does not stay at the desired location, it can be fine-tuned with the tension adjustment dial.

Notes:
• Optional raceway is provided for cordless when ordered without top treatment.
• Cordless is not available for Coupled Shades.
• One pole will be provided per cordless shade order. Additional poles can be requested.

Important Disclaimers & Tips:

Aligned hem bar level: For side by side PrecisionLift™ Cordless shades, the amount of hem bar exposed when the shade is raised all the way to the top may vary, depending on speed when lifting the shade and other factors. Therefore, we can't guarantee the hem bars are lined up perfectly when shades are raised to the top.

Telescoping: To prevent telescoping, first ensure the shade is installed in a level manner; using shims if necessary. Additionally, the handle must be placed in the center of the hem bar. (Refer to diagrams below.)
If telescoping occurs, lower the shade completely and slowly raise it applying even pressure to correct the alignment.

The center of the handle should be aligned with the label.
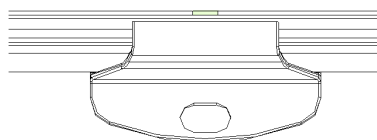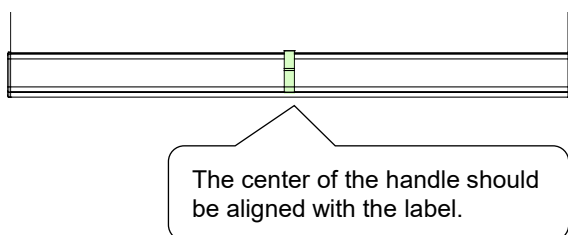
Lift Systems – Continuous Cord Loop (Manual Clutch)

For Continuous Cord Loop, the Raceway is only optional when there is no top treatment.
When any type of top treatment is selected, raceway will be included by default.

Without Raceway
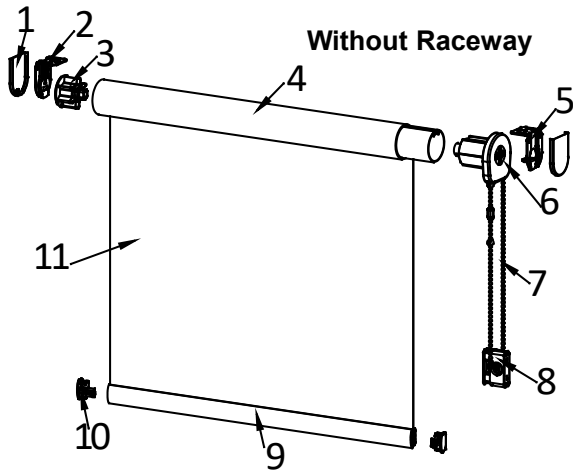
No.	Description
1	Bracket Cover
2	Shade Bracket (End Plug Side)
3	End Plug
4	Tube
5	Shade Bracket (Clutch Side)
6	Clutch
7	Bead Chain
8	Safety Tension Device
9	Hem Bar
10	Hem Bar End Cap
11	Fabric

With Raceway
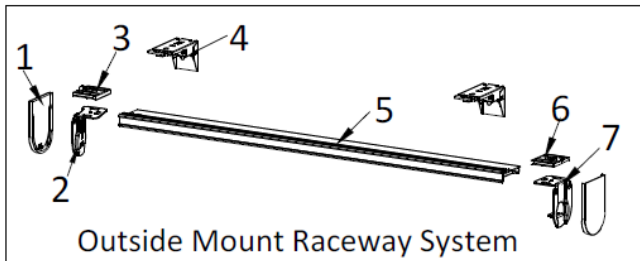
Outside Mount Raceway System
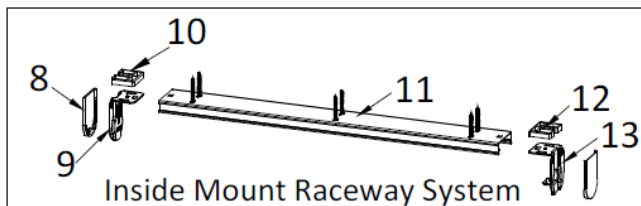
Inside Mount Raceway System

No.	Description	
1	Bracket Cover	
2	Shade Bracket (End Plug Side)	
3	Raceway Bracket Clip	
4	Mounting Bracket (OM)	(OM Raceway)
5	Raceway	
6	Raceway Bracket Clip	
7	Shade Bracket (Clutch Side)	
8	Bracket Cover	
9	Shade Bracket (End Plug Side)	
10	Raceway Bracket Clip	
11	Raceway	(IM Raceway)
12	Raceway Bracket Clip	
13	Shade Bracket (Clutch Side)	
14	Clutch	
15	Bead Chain	
16	Safety Tension Device	
17	Hem Bar End Cap	
18	Hem Bar	
19	Fabric	
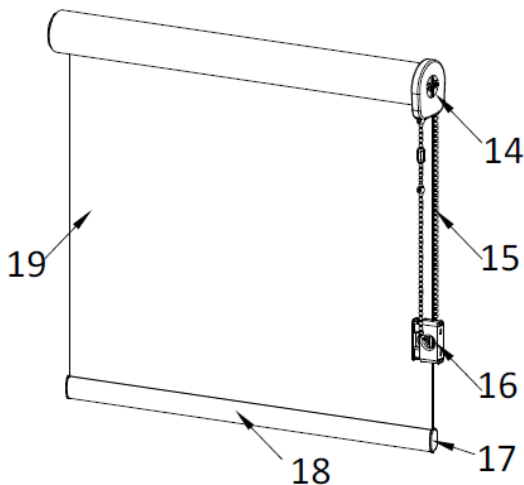
Lift Systems – SmartRelease™ (Includes Raceway)

This exclusive, and patent-pending innovation to cord loop systems allows the shade to be released or lowered from an upward position with a gentle pull.

- Raceway is provided for SmartRelease™, whether or not there is a top treatment.
- IM and OM safety tension device will match the bead chain color (except when stainless steel is selected).
- Note: For IM shades, an extra OM device will be provided in the hardware box. For OM shades, an extra IM device will be provided in the hardware box.
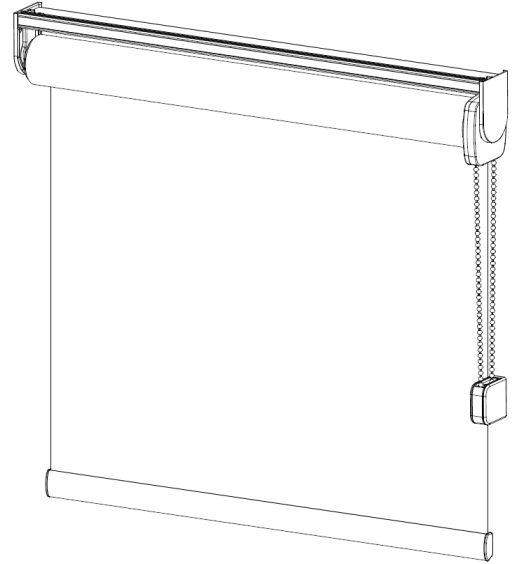
SmartRelease™ & Cord Loop in the same order:
While the color coordination is the same between systems (except for sheer fabrics), please keep the following in mind if ordering both systems within the same room or home.

Safety Tension Device		
IM Shades SmartRelease™	New safety tension device design will be provided.	
OM Shades SmartRelease™	Current safety tension device design will continue to be provided.	
*IM & OM Cord Loop/Manual clutch	Previous safety tension device design will continue to be provided.	

Motorization

Please see dedicated Motorization product specifications.

Lift Systems / Applications – LightGuard 360™

Inside Mount

	Description
1	Housing
2	Housing Cover
3	Wool pile strip
4	Housing end caps
5	Light block film
6	Fabric tube
7	LightGuard 360 Hem bar
8	Wool pile strip
9	Cordless Handle and Handle Base
10	Bottom Channel "U"
11	Bottom Channel: low-profile "M"
12	Side Channels
13	Screw location labels
14	Side channel wool pile
15	Side channel top caps
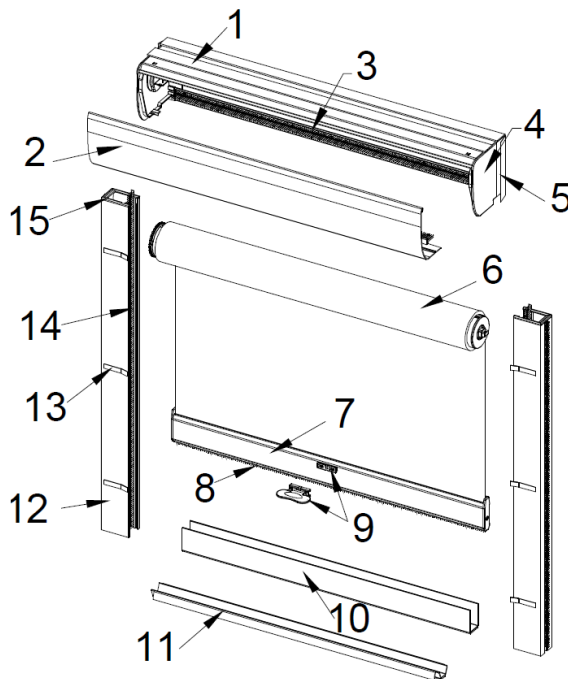
Outside Mount

	Description
1	Housing
2	Housing Cover
3	Wool pile strip
4	Housing end caps
5	Fabric tube
6	Swivel brackets
7	LightGuard 360 Hem bar
8	Cordless Handle and Handle Base
9	Bottom Channel (optional)
10	Bottom Channel wool pile
11	Bottom Channel cover
12	Side channel bottom caps
13	Side channel wool pile
14	Side Channels
15	Side channel top caps
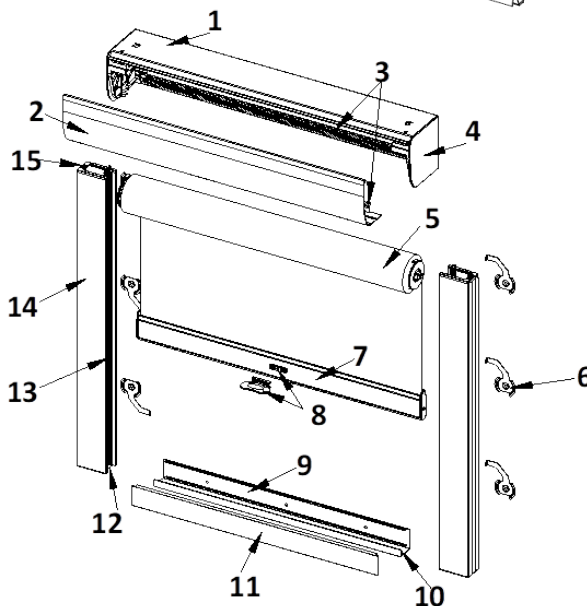
*Illustrating 4-sided application
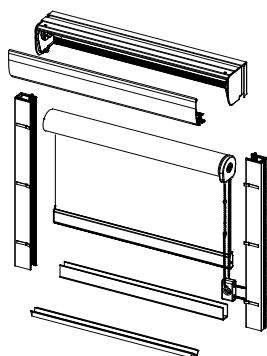
LightGuard 360™ with Cord Loop lift
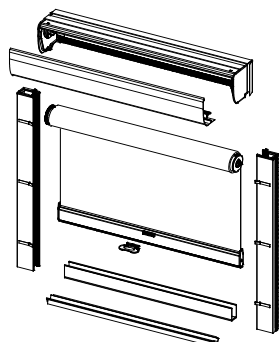
LightGuard 360™ with Cordless lift
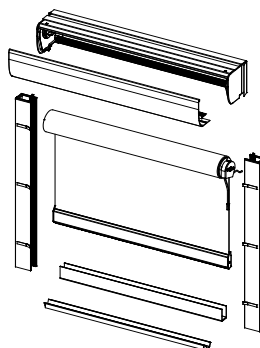
LightGuard 360™ with Motorized lift

Lift Systems / Applications – LightGuard 360™

LightGuard 360™ is an all-around solution designed to eliminate most light, but there may be some minor light seepage.

General Size Considerations
- This table is for reference only. There may be some exceptions due to some fabric weight limitations.
- *See size considerations for Cordless shade restrictions. Shades between 96" and 120" H must also stay within a 1:4 width to height ratio.

Lift System	Single Shade - LightGuard 360™			
	Min Width	Max Width*	Min Length	Max Length
Cord Loop	12"	118"	12"	144"
Motorized	26"	118"	12"	144"
Motorized: Norman Smart	16" (AC) 24" (RB)	118"	12"	144"
Cordless	18"≦X≦19"	96"	12"	Y≦48"
	19"<X≦24"			Y≦72"
	24"<X≦96"			Y≦120" *

*Note: Shades with the Fabric Wrap option will be limited to the Max Fabric Width of the color selected.

Application Availability:
- **Cord Loop, Motorized, and Cordless** lift systems
- Available with all fabric colors
- Mounting type: Inside Mount, Semi-Inside Mount, and Outside Mount

Structure: All-around solution with Housing, Side Channels and Bottom Channels
- Integrated Housing comes standard
  - Housing Cover with End caps:
    - Housing is available in 4 colors. (See coordination table below.) The housing color selection color will determine the side/bottom channel and end cap colors.
    - Fabric Wrapped Housing is optional.
      - The fabric insert defaults to the selected shade fabric; Optional fabric selection is available.
  - Housing Size: 3 ½" or 4 ½" for larger shades
    - Tube Sizes: 1 3/4" & 2"
    - Tube and housing size will vary based on shade size (see below)
    - For matching purposes, Side by Side can be selected.
- Bottom Channels:
  - **Inside Mount options:** A bottom channel is required for inside mount; select from 2 bottom channel types.
    - "U" Bottom Channel
    - Low-profile "M" Bottom Channel
  - **Outside Mount options:** The OM bottom channel is provided by default. For windows with sills, 2 options are available; select from the "U" Bottom Channel or NO Bottom Channel for a 3-sided window application.
    - (Default): Standard OM Bottom Channel
    - (Optional): "U" Bottom Channel
    - (Optional): No Bottom Channel 3-sided application
- Side Channels:
  - IM & Semi-IM housing, bottom channels, and side channels will be pre-drilled.
  - OM housing and bottom channels will be pre-drilled. The side channels will not be pre-drilled.

General Specifications:
- Shade Type: Single
- Fabric roll: Standard roll only
- LightGuard 360 Hem Bar: Plain
- Shims/spacers not available

Control Location		Power Cord Position
Cord Loop	Right or Left	N/A
Motorized	Right or Left	IM: Backside, or optional Frontside OM: Frontside only

Color Coordination:
- LightGuard 360™ Housing is available in 4 colors. These are optional colors that must be specified, with no defaults based on the fabric selection.
- The General Hardware components (including brackets, clutch, end plugs) are hidden within the housing and will be provided in Black; optional color override is not available.

Housing / Front Cover	Side Channels, End Caps, & Hem Bar	Bottom Channel: "U" and "M"	Bottom Channel Standard OM	(Motorized only) Charging Port for Norman Smart Charging Wand
SELECT COLOR:	DEFAULT	DEFAULT	DEFAULT	DEFAULT
White	White	White	White	White
Cottage White	Cottage White	Cottage White	Cottage White	Cottage White
Silver	Silver	Silver	Silver	Silver
Black	Black	Black	Black	Black

3058 White

3094 Cottage White

3129 Silver

3208 Black

Lift Systems / Applications – LightGuard 360™

LightGuard 360™ Housing

Mount Type	Lift System	Width (X)	Length (Y)	Housing & Cover Size
Inside Mount / Semi-Inside Mount / Outside Mount	CCL/Motorized	X≦96"	Y≦96"	3 ½"
			Y>96"	4 ½"
		X>96"	Y≦72"	3 ½"
			Y>72"	4 ½"
	Cordless	X≦96"	Y≦96"	3 ½"
			Y>96"	4 ½"

- This table is for housing size reference only. There may be some exceptions.
- For size matching purposes, please select Side By Side during order entry when the same housing size is required and the order includes some larger shades.
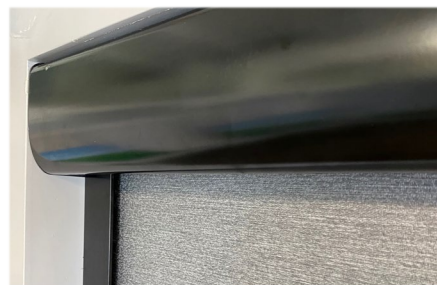
LightGuard 360™ Housing & Cover

	Housing and Cover	Housing End Caps
3.5" Housing		
4.5" Housing		

LightGuard 360™ Side Channels & Bottom Channels
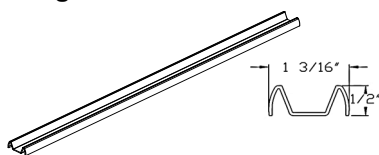
Low-profile "M" Bottom Channel (IM)
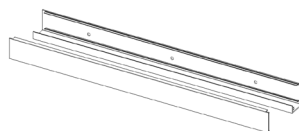
"U" Bottom Channel (IM & OM)

Standard OM Bottom Channel
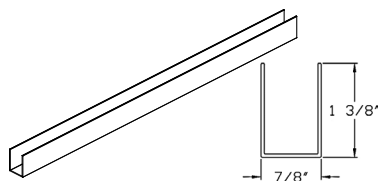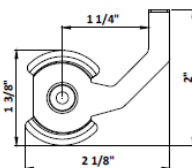
Swivel Bracket (OM)
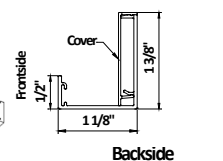
Side Channels (IM & IOM)

*For Cordless Shades only: Note that the handle placement will be fixed based on the bottom channel type selected.
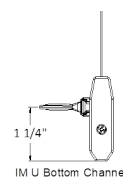
IM U Bottom Channel
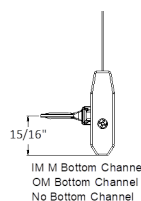
IM M Bottom Channel / OM Bottom Channel / No Bottom Channel

LightGuard 360™ Cordless Operating Poles
- Optional operating pole or pole attachments available with LightGuard 360™ cordless shades (max 2 per shade)
- Suited for LightGuard 360™ Cordless shades only. Not compatible with PrecisionLift™ Single and Dual cordless shades

- Pole Attachment only
  - Color: White
  - Screw ring (pole not included; compatible with telescopic poles sold at hardware stores)

- Pole with attachment
  - Color: Black
  - Optional Lengths: 36" & 60"

Lift Systems / Applications – Cassette System

Cassette System
Ideal for window or door applications where a secured cassette is necessary.

Application Availability:
- **Cord Loop, Motorized*, and Cordless** lift systems
- Available with all fabric colors
- Mounting type: Inside Mount and Outside Mount. All mount types include a pre-drilled cassette.
- Installation Type:
  - Install on Window
  - Install on Door

Structure: Integrated Cassette with Shade for Windows or Doors
- Standard Specs:
  - Cassette comes standard with shade
  - Magnetic Hold Downs are provided by default on door applications; optional for windows
- Integrated Cassette housing comes standard
- Cassette Cover with End caps:
  - Cassette is available in 4 colors. The color selection color will determine the Cassette, hem bar and end cap colors.
  - Fabric Wrapped Housing is optional.
    - The fabric insert defaults to the selected shade fabric; Optional fabric selection is available. (Note: Shades with the Fabric Wrap option will be limited to the Max Fabric Width of the color selected.)
  - Cassette Size: 3 ½" or 4 ½" for larger shades
    - Tube Sizes:1/8", 1 3/4" & 2"
    - Tube and cassette size will vary based on shade size (see table)

General Specifications:
- Shade Type: Single
- Fabric roll: Standard roll only
- Hem Bar: Plain or fabric warped
- For Cord Loop and Motorization only:
  - The charging cable (motorized) will be located at the front
  - The frontside of the Cassette cover will have a notch out for the CCL chain

Control Location	
Cord Loop	Right or Left
Motorized	Right or Left

Color Coordination
- Select from 4 cassette colors available
- The hem bar (Plain) will coordinate with the Cassette selection
- The end caps for the Fabric-wrapped hem bar and the bead chains are color-coordinated to match the shade fabric selection. Color override is available. (See Fabric List)
- For all other components, such as brackets, clutch, end plugs, etc., color override is not available.

* Cassette System Exclusions:
Motorized: Norman Smart Rechargeable Battery Charging Wands, All Top Treatments, Wood and Aluminum Light Guard, Reverse fabric roll, Traditional hold down, General Hardware and Plain Hem Bar color override, Palladian Shelf, Side by Side, Shims/spacers

Cassette & Cassette Cover size:
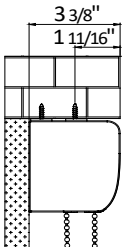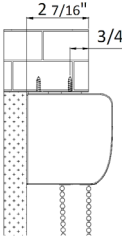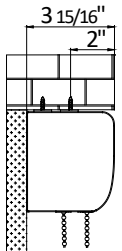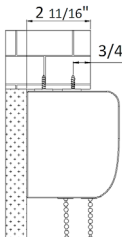
Mounting Type	Lift System	Width (X)	Length (Y)	Cassette & Cover Size
Inside Mount / Outside Mount	Continuous Cord Loop / Motorized	X≦96"	Y≦96"	3 1/2"
			Y>96"	4 1/2"
		X>96"	Y≦72"	3 1/2"
			Y>72"	4 1/2"
	SmartRelease™	X≦96"	Y≦96"	3 1/2"
			Y>96"	4 1/2"
	Cordless	X≦96"	Y≦96"	3 1/2"
			Y>96"	4 1/2"

No.	Description
1	Cassette (housing)
2	Cassette cover
3	Cassette end caps
4	Fabric tube
5	Hem bar end cap
6	Hem bar
7	Handle (For Cordless only)

Cassette & Hem Bar
3058 White | 3094 Cottage White | 3208 Black

Cassette only Coordinating Hem Bar
3129 Silver | 4101 Anodized Silver
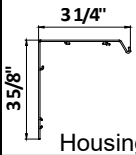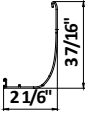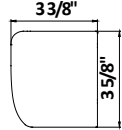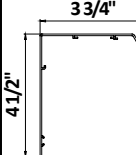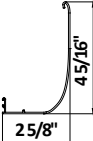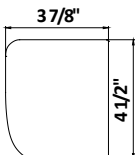
Cassette / Front Cover	Plain Hem Bar
SELECT ONE:	DEFAULT:
White	White
Cottage White	Cottage White
3129 Silver	4101 Anodized Silver
Black	Black

Lift Systems / Applications – Cassette System

Minimum Mounting Depth

3 1/2" Housing & Housing Cover		4 1/2" Housing & Housing Cover	
Flush Inside Mount	Semi-Inside Mount	Flush Inside Mount	Semi-Inside Mount
3 3/8" / 1 11/16"	2 7/16" / 3/4"	3 15/16" / 2"	2 11/16" / 3/4"

Components

Component	Drawing		
3 1/2" Cassette/ Housing	3 1/4" / 3 5/8" Housing	3 7/16" / 2 1/6" Housing Cover	3 3/8" / 3 5/8" Housing end cap
4 1/2" Cassette/ Housing	3 3/4" / 4 1/2" Housing	4 5/16" / 2 5/8" Housing Cover	3 7/8" / 4 1/2" Housing end cap

Fabric Deduction

Single Shade - Inside Mount				
System	**Shade Width**	**Shade Length**	**Tube Dimensions**	**Fabric width**
Continuous Cord Loop	8" to 60"	12" to 144"	1 1/8"	Fabric Width=Order Width – 1 5/8" (1.60")
	8" to 96"		1 3/4"	Fabric Width=Order Width – 1 5/8" (1.60")
	8" to 118"		2"	Fabric Width=Order Width – 1 5/8" (1.63")
SmartRelease™	12" to 96"	12" to 144"	1 3/4"	Fabric Width=Order Width - 1 3/4" (1.74")
PrecisionLift™ Cordless	18" to 96"	12" to 120"	1 3/4"	Fabric Width=Order Width - 1 3/8" (1.38")
Motorized-ARC	26" to 118"	12" to 144"	1 3/4", 2"	Fabric Width=Order Width - 1 9/16" (1.56")
Motorized-Norman® Smart AC Plug-in	16" to 118"			
Motorized-Norman® Smart AC Charger	24" to 118"			Fabric Width=Order Width - 1 5/8" (1.62")

*For Door Cassette, an additional 1/16" fabric deduction will be taken on each side.

Cassette Deductions

Mounting Type	Finished Width (including end caps)
IM	Cassette width = order width- 1/8"
OM	Cassette width = order width

Lift Systems / Applications – Dual Shades & Coupled Shades

Dual Shades

- Like two shades in one, Dual Shades feature one shade behind another- allowing for ultimate light and privacy control
- Available in all Lift Systems
- Each shade is controlled independently and can be assigned its own lift system
    - Fabric Roll: front shade – reverse roll; back shade – standard roll
    - Control Location: Select Left or Right location for Front Shade with reverse location for Back shades

Outside Mount

Inside Mount

Control Position	Front Shade	Back Shade
Default	Right	Left
Optional	Left	Right

- Available with No Top Treatment or 7" Fabric Valance
    - For Dual Shades valance, the desired fabric must be selected manually. Select from the default Front Shade fabric, default Back Shade fabric, or specify a new fabric selection.
- Fabric Valance selection must be specified (no default)
- The raceway is an integral part of the dual shade design and will be provided.
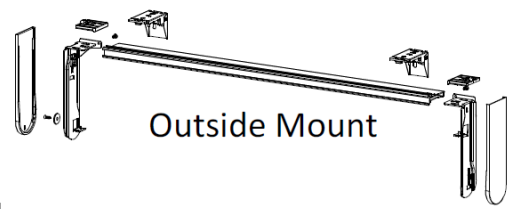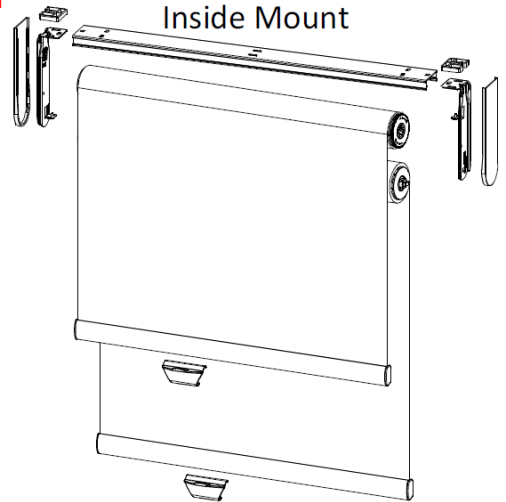
Coupled Shades

- Great for side by side windows with small gaps
- Choose from a standard, one-control system or independently operated shades.
- All single top treatment options are available for Coupled Shades
- Available Lift Systems: **Continuous Cord Loop & Motorized**
- Standard: Allows two shades to be operated together by one control
    - Control Location: L/R
- Independently Operated: Allows each shade to be operated separately
    - Control Location: Left Shade: L, Right Shade: R
- Exclusions: PrecisionLift™ Cordless and SmartRelease™ lift systems are not available for any Coupled Shades applications.

Link System

Gap: 3/4"

Coupled Shades

Link System

Gap: 3/4"
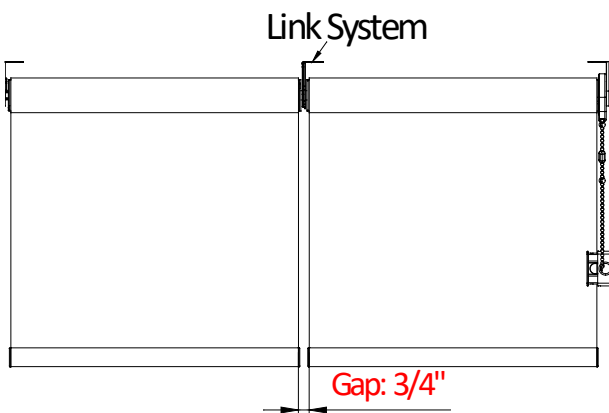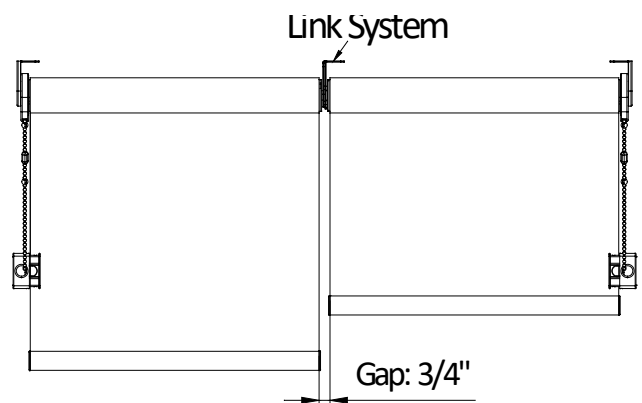
Coupled Shades (Independently Operated)

Lift Systems / Applications – Side by Side & Common Top Treatment

Side by Side Shades

- Side by Side will match tube size, clutch size, fascia size and bracket size by upgrading to the larger size within the shades selected. This is ideal when a uniform look for shades of different sizes within a room is requested. Available when ordered at the same time and the following criteria are identical in:
  - **Room**
  - **Mount type**
  - **Fabric color**
  - **Lift system**
  - **For motorization: Motor type/power source***
  - **Top treatment type**
    - *Not applicable to LightGuard 360™ or Cassette System*
  - **Application type**
    (i.e., cannot match LightGuard 360™ with a single shade; cannot match Dual shades with Coupled shades, etc.)

Additional Notes:
- When the line item is more than Quantity 1, all shades for that line item will be treated as Side by Side.
- Matching Side by Side shades cannot be guaranteed if the order is for the same room but not identical in the other criteria listed above. To request Side by Side shades according to these order details, please make a note in Special Instructions.
- Side by Side will also match shade rotation (railroading) if one shade must be railroaded to reach the desired width but another does not require railroading. Side by Side is recommended for the same room or home due to the distinct fabric patterns that may be noticed when one shade is railroaded and another is not.
- Brackets: Side by side shades can be produced with different bracket types. However, if different bracket types are selected, we will not match the bracket size.
- Motorization: all shades must have the same motor type & power source type in order to be matched.
  (i.e., A battery-powered shade cannot be matched with an plug-in powered shade.)

Common Top Treatment

- Available in all top treatments types
- Available for all lift systems
- One Common Valance can share up to 4 shades
- All splicing rules apply to oversized Common Top Treatments.
- The minimum fabric gap between shades vary by lift system. Refer to the Deductions section for more info.
- There is no additional bracket gap between two shades:
  - Additional Requested Gap: 0"─12"
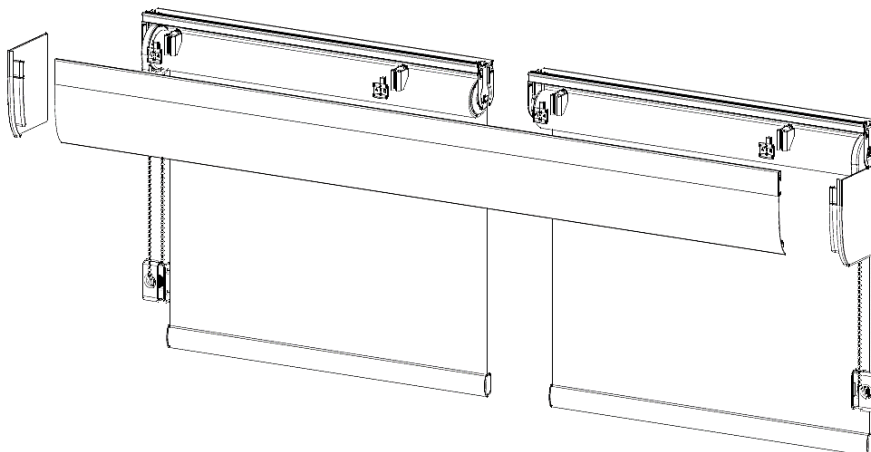
Lift Systems / Applications – Install on Door

Roller Shades Installed on a Door

To receive shades suited for door applications, please select the "Install on Door" option during order entry.
- All fabric colors, lift systems, and options available
- Standard features:
    - Magnetic hold-downs are defaulted and required when installed on a door.
    - Shades on doors will have an <u>additional</u> fabric deduction of approximately 1/16" (2mm) on each side in order to prevent the fabric from fraying. (See fabric deductions by lift system for total fabric width deductions.)
- All Fascia and Valance Top Treatments are available for door applications, but not recommended. For a secured top treatment best suited for doors, please refer to Door Cassette system.
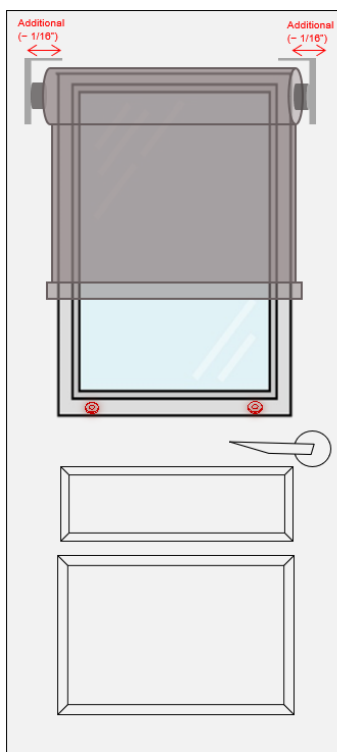
Top Treatments: Fascia & Valance Options

Top Treatments	Available Colors	Sizes	Max width	Notes
Curved Fascia (Plain or with Fabric Insert)	**Plain:** White, Cottage White & Black; Optional: Anodized Silver **With fabric insert:** **Fabric**: Defaulted to the selected shade fabric. Optional fabric selection available.* **End Cap:** White, Cottage White, Nature, Terra, Sahara, Chocolate, Silver, and Black	3.5" or 4.5" *See Fascia Size Chart	95" x 4 *or the max fabric width x 4	For Curved Fascia with fabric insert, the max fascia width is subject to max fabric width. When exceeded, the fascia will be center spliced with a keystone. *Fascia size will vary based on shade size, see chart. Matching sizes can be specified.*
Square Fascia	White, Cottage White & Black; Optional: Anodized Silver	3.5" or 4.5" *See Fascia Size Chart	95" x 4	*Fascia size will vary based on shade size. Matching sizes can be specified.*
Fabric Valance	The default fabric on this valance will be the selected shade fabric. Optional fabric selection available.* *For Dual shades, the desired fabric valance must be selected manually.	- 4.5" - 7"	95" x 4 *or the max fabric width x 4	For Fabric Valance, the max valance width is subject to max fabric width. When exceeded, *(max fabric width – 5")* the valance will be center spliced with valance connector(s). Valance returns available for semi IB & OB
Crown Valance	Paint: 001 Pure White, 003 Silk White, 006 Pearl, 012 Crisp Linen, 049 Stone Gray, 053 Clay Stain: 110 Limed White, 212 Dark Teak, 109 Weathered Teak, 237 Wenge, 221 Black Walnut, 246 Matte Black	4.5"	95" x 4	Valance returns available for semi IB & OB Valance returns are mitered.
Modern Valance	Paint: 001 Pure White, 003 Silk White, 006 Pearl, 012 Crisp Linen, 049 Stone Gray, 053 Clay Stain: 110 Limed White, 212 Dark Teak, 109 Weathered Teak, 237 Wenge, 221 Black Walnut, 246 Matte Black	4.5"	95" x 4	Valance returns available for semi IB & OB Valance returns are mitered.

**Above Top Treatments are not available for LightGuard360™ or Cassette systems. Integrated housing will be provided instead.

Fabric Top Treatment Override

*All shades with a fabric top treatment includes the shade selection as the top treatment's fabric, by default. The option to override the top treatment fabric with a different selection is available.
- Single & Common Top Treatment Shades with Fabric Valance
- Single & Common Top Treatment Shades with Curved Fascia with Fabric Insert
- Note: All Dual Shade fabric valances must be specified. There is no default fabric.

Top Treatments: Fascia & Valance Options

Splicing Top Treatments

Top treatments wider than its maximum limitations will be spliced. A **top treatment joinery** method is required to provide support on all spliced top treatments. This applies to single and common top treatments.
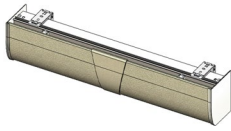
- Keystones are also available as a decorative touch for all non-spliced top treatments under 95".
- Up to 3 total keystones can be selected per top treatment.

Top Treatment Joinery (Valance Connectors & Keystones)					
Top Treatment	**Type**	**Max Length**	**Default Splice Location**	**Default Valance Joinery**	**Optional Valance Joinery**
Curved Fascia (Plain/Fabric)	Single	• Max fabric width (X) *(For Curved Fascia with fabric insert)* • Custom width: X + 12"	• NO SPLICE if within max fabric width • Centered, if fascia exceeds max fabric width.	Keystone	***Additional* Keystones** • Up to 3 total keystones • Custom split location
Square Fascia					
Curved Fascia (Plain/Fabric)	Common	• 95" x 4 • Max fabric width (X) *(For Curved Fascia with fabric insert)*	Equally centered, widths over 95" (includes end caps)	Keystone	***Additional* Keystones** • Up to 3 total keystones • Location: • Custom location • Or at gaps between shades
Square Fascia					
Fabric Valance	Single / Common	• 95" x 4 • Max fabric width (X) *(For Fabric Valance)*	Equally centered, with returns inner widths over **93.75"**, without returns inner widths over **95"**	Valance Connector	**Keystones** • Up to 3 total keystones *(Valance connectors will be provided**)* • Location: • Custom location • Or at gaps between shades
Modern Valance					
Crown Valance					

Note: When the custom length of a top treatment is longer than standard and exceeds the maximum size required to be split, the longer sections will be equally divided on the left & right sides − regardless of whether there are returns on one side, both sides or none at all.

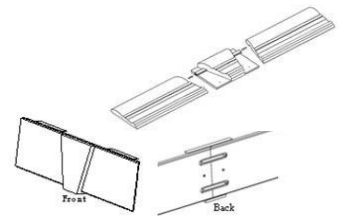Square Fascia Keystone | Curved Fascia Keystone | Fabric Valance Keystone | Crown Valance Keystone | Modern Valance Keystone
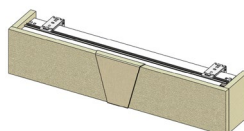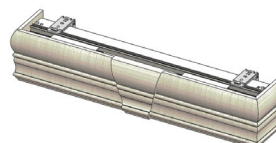
Keystone Spacing Requirements

Keystone	Minimum	Maximum		
1st Keystone	18"	Order Width or Custom Valance Length (if applicable)	and	95"
2nd Keystone	18" + 1st keystone			95" + 1st keystone
3rd Keystone	18" + 2nd keystone			95" + 2nd keystone

**Keystones for Wood valances will also be provided a set of valance connectors for additional support.
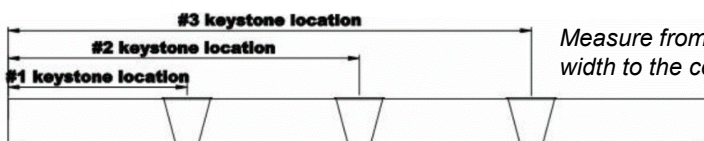
Measure from the left of the valance inner width to the center of the keystone.

Top Treatments: Fascia & Valance Options

Lift System & Top Treatment Compatibility Chart

	Single			Dual Shades			Coupled Shades	
	Cordless	Motorized	Clutch/ SmartRelease	Cordless	Motorized	Clutch/ SmartRelease	Clutch	Motorized
No Fascia/Valance or Raceway	✓	✓	✓	NA	NA	NA	✓	✓
Raceway only*	✓	✓	✓	✓	✓	✓	✓	✓
Square Fascia	✓	✓	✓	NA	NA	NA	✓	✓
Curved Fascia	✓	✓	✓	NA	NA	NA	✓	✓
Fabric Valance(4 ½")	✓	✓	✓	NA	NA	NA	✓	✓
Fabric Valance (7")	✓	✓	✓	✓	✓	✓	✓	✓
Wood Valances	✓	✓	✓	NA	NA	NA	✓	✓

*Raceway will be provided on all shades with top treatments selected. Raceway will also be provided on all Dual and SmartRelease™ shades, even if No Top Treatment is selected.

Fascia Size Chart

System	Width (X)	Height (Y)	Fascia Size
PrecisionLift™ Cordless	X≦96"	Y≦96"	3.5"
		Y＞96"	4.5"
Continuous Cord Loop/Motorized	X≦96"	Y≦96"	3.5"
		Y＞96"	4.5"
	X＞96"	Y≦72"	3.5"
		Y＞72"	4.5"
SmartRelease™	X≦96"	Y≦96"	3.5"
		Y＞96"	4.5"
	X＞96"	All heights	4.5"

Note: This table is for reference only. There may be exceptions due to some size ratios. To ensure all fascia sizes in an order will match, **Side by Side** needs to be selected in order entry to avoid any matching issues. Fascia sizes will not automatically be matched for an order.

Return Size Options

Valance	Semi-Inside Mount	Outside Mount
4 ½" Fabric	Default: 1" Custom sizes: 1 1/8" ~ 4 ½"	Default: Standard based on shade configurations
7" Fabric		
4 ½" Crown Wood	Default: 1" Custom sizes: ½" - 4 ½"	Custom sizes longer than the standard: 1/8" ~ 1"
4 ½" Modern Wood		

Additional Options

Fabric Roll

• Standard Roll: Fabric rolls down against the window glass.

• Reverse Roll: Fabric rolls down away from the window glass.
  *Exclusions: Curved Fascia, Square Fascia, LightGuard 360™, Cassette System, Norman® Smart Motorization with Charging Wands.

Standard Roll   **Reverse Roll**

Hem Bar
- Default: Plain hem bar
  - Available in the following colors options:
    - Standard: White, Cottage White, and Black
    - Optional: Anodized Silver (with end caps in White)

- Optional: Fabric-wrapped hem bar
  - Front: Wrapped with the fabric that has been selected for the shade
  - Back: Will not be fabric-wrapped and will coordinate with the fabric selected or the General Hardware. To override the color of the hem bar, specify a different General Hardware color.
  - End caps: Available in White, Cottage White, Nature, Terra, Sahara, Chocolate, Silver, and Black

Plain Hem Bar

Back of the hem bar is not fabric-wrapped. Default color coordinates with General Hardware.

Fabric-wrapped Hem Bar

Choose an End Cap Color or keep the default.

Additional Options

Hold Downs

Choose from Traditional or Magnetic hold-down brackets (one for the left and the right side of shade) to secure the shade in place when closed. Not available for LightGuard 360™.

- **Traditional Hold Down**
    - Optional for window applications

- **Magnetic Hold-Down**
    - Defaulted for door applications.
        - Magnetic hold-downs are required for door applications to help keep the shade in place.
        - Not recommended for metal door applications.
    - Optional for window applications.
    - The magnet will be pre-installed at the factory on the hem bar.
    - The magnet catch, which needs to be installed at the job site, can be found in the hardware box.
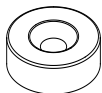
Magnet   **Magnet Catch**

Available colors for Magnet Catch
- (Default) Nickel-Plated
- (Optional) Pure White, Silk White, Bisque, Pearl, Bright Brass, Antique Brass, Black, Crisp Linen, String, Sea Mist, Stone Gray, Brown Gray, Taupe Gray
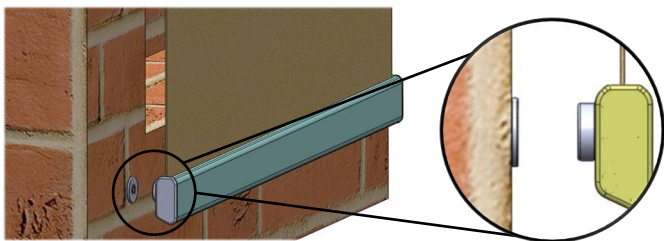
Allow extra wall space for installation:
- 9/16" in width, from the side edge of the shade
- 11/16" in height, from the bottom edge of the shade or window sill

Shim (Spacer Block)

- Optional
- Dimensions: 41mm (1.614") x 10mm (0.394")
- Up to 3 Spacer Blocks can be stacked per bracket
- Not available for LightGuard 360™
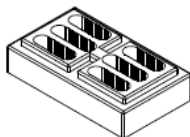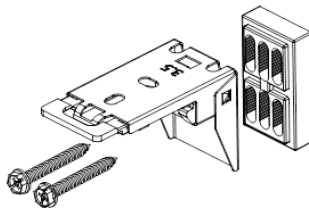
Additional Options

Chain for Continuous Cord Loop & SmartRelease™ Shades

- Chain Options**:**
    - Standard: Plastic
      Available in White, Cottage White, Black, Nature, Sahara, Terra, Silver & Chocolate
    - Optional**:** Stainless Steel
- Chain length is measured from the top of the brackets/installation bracket (raceway) to the bottom of he tension device
- SmartRelease™:
    - Chain length tolerance: 0~1.18"
    - When the custom chain length exceeds 84" for SmartRelease, there will be a surcharge.
- Continuous Cord Loop:
    - For stainless steel chain, an additional chain stopper will automatically be included in the hardware box.
    - For plastic and stainless steel chain on LightGuard 360, there will not be any chain connectors included.

Chain Length	Order Height (Y)	Chain Length (For SmartRelease™)	Chain Length (For Continuous Cord Loop)
Default Length	12"≦Y≦30"	16"	2/3(Y)+ 6"
	30"＜Y≦42"	24"	
	42"＜Y≦54"	36"	
	54"＜Y≦66"	48"	
	66"＜Y≦90"	60"	
	90"＜Y≦144"	84"	
Custom Length	All shade heights	Plastic/Stainless Steel: Minimum custom length is 12"; maximum custom length is 3x the order height.**	Plastic/Stainless Steel: Minimum custom length must be longer than the default (2/3Y+6"); maximum custom length is 3x the order height.**

Poles for PrecisionLift™ Cordless Shades

One complimentary fiberglass pole is included in every cordless roller shade order. Additional poles and pole attachments can be added to your order as an option (max of 2 poles or 2 pole attachments per shade). The size of the pole will vary based on the shade size ordered. See table below.
*All poles below are not compatible with LightGuard 360™ Cordless shade.

58" Fiberglass Pole

30" Fiberglass Pole

- 30" Fiberglass Pole
    - Additional poles available upon request

- 58" Fiberglass Pole (with connector)
    - Additional poles available upon request

- Cordless Operating Pole
    - Color: Black
    - Length options: 36" & 60"
    - Fixed head

- Pole Attachment
    - Color: Black
    - No pole included, attachment only
    - Screw-on design; compatible with most screw tip poles
    - NOT compatible as a replacement piece for the Cordless Pole

Fiberglass pole size (Based on shade height)		
30" Fiberglass Pole	Shade height≦96"	All shades in must be 96"H or less
58" Fiberglass Pole	Shade height＞96"	At least one shade in order is over 96"H

Cordless Operating Pole

Pole Attachment

Additional Options

Light Guard

- Available in IM only
- Light Guard is specifically designed to block incoming light escaping off the top and sides of the window opening
- This feature consists of two side light guard pieces (in Wood or Aluminum material), & a top light guard piece.

Dimensions	Available colors
Wood Light Guard **(Side Channel)** 7mm (0.28") 7mm (0.28") 30mm (1.18") 7mm (0.28") 30mm (1.18") 7mm (0.28") 30mm (1.18") (running change*) 35mm (1.38") Provided for all other colors Provided for Pure White, Crisp Linen, Stone Gray & Matte Black	001 Pure White 012 Crisp Linen 049 Stone Gray 053 Clay 110 Limed White 212 Dark Teak 109 Weathered Teak 237 Wenge 221 Black Walnut 246 Matte Black *The wood light guard will increase in width from (approx.) 1 1/4" to 1 3/8"; this is a running change. Pure White, Crisp Linen, Stone Gray and Matte Black are the current colors that will be provided in the larger size. All other colors will be provided in the current size, except when ordered together with one of the colors above. When this occurs, the entire order will be provided in the larger size for matching purposes.
Aluminum Light Guard **(Side Channel)** 15mm [0.59"] 35mm [1.38"] 0.8mm [0.03"] Note: End Caps are pre-installed.	3058 White 3094 Cottage White 3578 Sahara 3463 Chocolate 3129 Silver 3212 Black Ink **Alum Light Guard Splicing Rule** When the light guard length (L) is over 96", it will be spliced into two pieces. A clear adhesive tape will be provided to join the two pieces. The splicing points are as follows: **96" < L ≦ 102"** | **L > 102"** From the top down at 6" | From the bottom up at 96"
Single Shade Light Guard **(Top Light Block)**	Size: 4 ½" A white PVC vane will be provided as the top light blocking piece for single shades.
Dual Shades Light Guard **(Top Light Block)**	Size: 7 ½" A white fabric in room darkening material will be provided as the top light blocking piece for dual shades.

Reverse Pattern for Kendra, LF Foliage

- F0890 LF Foliage in the Kendra collection is produced with the standard fabric pattern by default.
- The option to reverse the fabric's pattern is available (see photo). If selected, all fabric-wrapped top treatments/keystones and hem bars will also be produced in the same "reverse" pattern.

Front
(Standard Pattern)

Back
(Reversed Pattern)

Size Considerations

Application	Single Shade				Dual Shades				Coupled Shades			
Lift System	Clutch	Cordless*	Motorized	Motorized: Norman Smart	Clutch	Cordless*	Motorized	Motorized: Norman Smart	Clutch (CCL)	Motorized	Motorized: Norman Smart	Cordless
Min Width	8" (CCL) 12" (SR)	18"	26"	16" (AC) 24" (RB)	8" (CCL) 12" (SR)	18"	26"	16" (AC) 24" (RB)	24"	52"	32" (AC) 48" (RB)	N/A
Max Width	118" ***	96"	118"	118"	96"	96"	96"	96"	236"	236"	236"	
Min Height	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	
Max Height	144"	120" **	144"	144"	96"	96"	96"	96"	144"	144"	144"	

- **This table is for reference only.** There may be exceptions due to different fabric weights. For details by the fabric, please refer to the appendix.
- LightGuard 360™ and Cassette System are considered Single Shades. Note that when Fabric Wrapped is selected for these applications, the width is limited to the Max Fabric Width. See Fabric List for details.
- ***Cassette System: SmartRelease™ max height is 96".
- * PrecisionLift™ Cordless shades have additional size restrictions based on the width and height. Please refer to the rules below:

PrecisionLift Cordless Size Limitations	
Width (X)	**Height (Y)**
18"≦X≦19"	Y≦48"
19"<X≦24"	Y≦72"
24"<X≦96"	Y≦96"
	Y≦120" **

**Shades between 96" and 120" in height must stay within a 1:4 width to height ratio.

- Fabrics with Max Height Limitations
  - RD collection: Luxe, Fiji, Bermuda & Jamaica have a max height of 118"
  - Natural collection: Maui Natural AB0671 has a max height is 120"
- Railroading:
  - AB600 (8%) and W120 (12%) fabrics are available for railroading.
  - The max width is 98" for these fabrics with railroading option for widths between 98 1/8" and 118" to achieve the desired width. When railroaded, the max length is 86" (fabric width - 12").
  - Shade widths 98" or less will not be railroaded. To override this for matching purposes, Side by Side can be selected in order entry to railroad all shades in the same room or order.
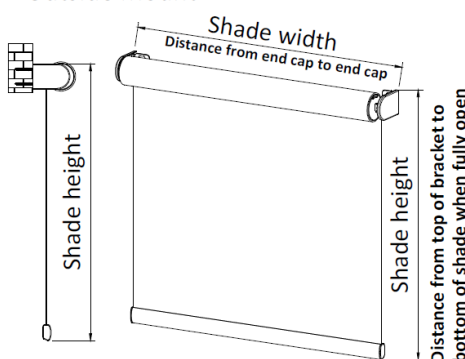
Shade Size Definition

Shade Width: Distance from left end cap to right end cap.
Shade Length: Distance from the top of the mounting brackets/raceway to the bottom of the shade when fully open.

Inside Mount
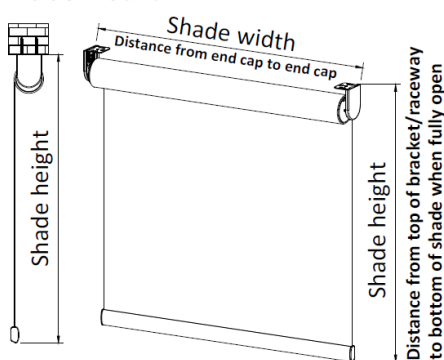
Outside Mount

Deductions

Inside Mount:

Shade width = Order width - 1/8" **(Top Mount & Back Mount)**
Shade width = Order width **(Side Mount)**
Shade height = Order height **(Top, Back & Side Mount)**
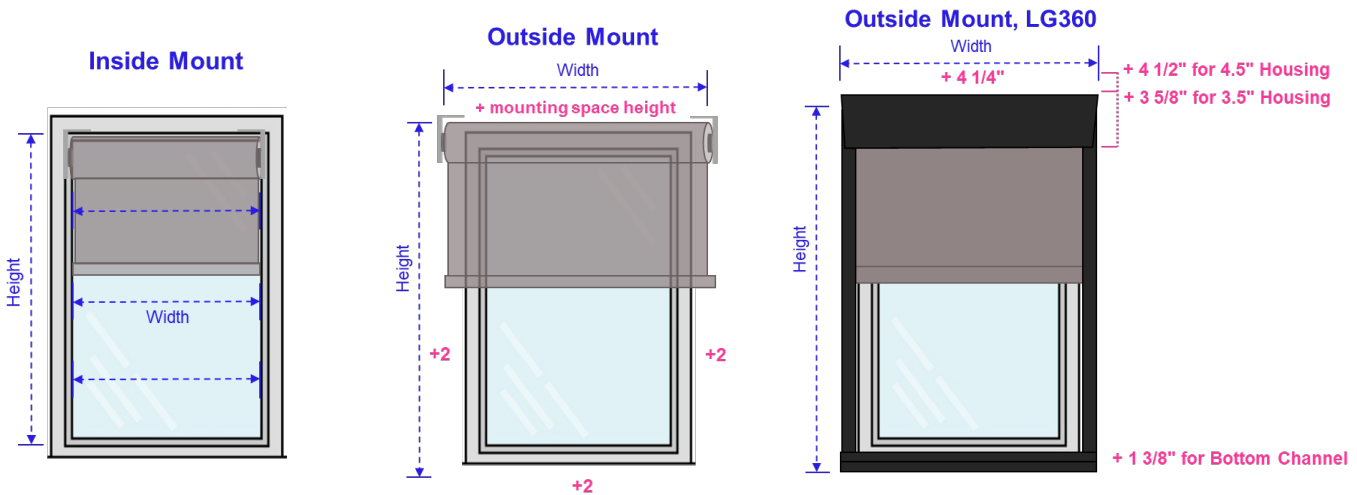
Outside Mount:

No Deductions—

Shade width = Order width
Shade height = Order height

OM Recommendation: To avoid light leakage, add the minimum mounting space height to the order height (top side), plus at least 2" all around the other sides (left side, right side and bottom side).

*For OM LG360: Add 4 ¼" to the overall width; for the height, add 1 3/8" to the bottom channel and add 3 5/8" for the 3.5" housing size or 4 ½" for the 4.5" housing size.

*For OM with Cassette: The shade should be overlapping the window opening at least 2" on left, right, & bottom sides. Add 3 5/8" or 4 ½" to the top depending on the housing/cassette size.

Inside Mount

Outside Mount

Width

+ mounting space height

Height

+2   +2

+2

Outside Mount, LG360

Width

+ 4 1/4"

+ 4 1/2" for 4.5" Housing
+ 3 5/8" for 3.5" Housing

Height

+ 1 3/8" for Bottom Channel

Deductions for Roller Shades with a Common Valance:

(IM)

Left shade width = left shade order width - 1/8"
Center shade(s) width = center shade(s) order width - 1/8"
Right shade width = right shade order width - 1/8"

(OM)

Left shade width = left shade order width
Center shade(s) width = center shade(s) order width
Right shade width = right shade order width

Deductions

Fabric Deductions and Finished Fabric Widths by Lift System

Single PrecisionLift™ Cordless - Inside Mount				
Shade Width	Shade Length	Tube Dimensions	Shade Type	Fabric Width
18" to 96"	12" to 120"	1 3/4"	Cordless without top treatment / with raceway	Fabric Width = Order Width - 1 3/16" (1.185")
			Cordless with Fascia	Fabric Width = Order Width - 1 5/16" (1.305")
			Cordless with Valance	Fabric Width = Order Width - 1 1/8" (1.105")

Finished shade width(X) = L-Bracket cover to R-Bracket cover. Hem Bar. A: Gap on Tension Dial side. B: Gap on End Plug side.
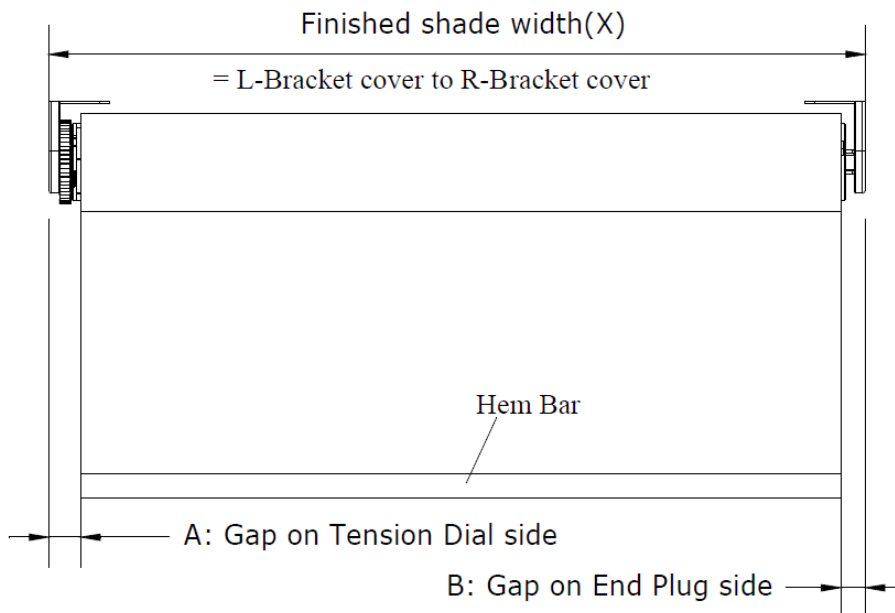
Shade type	Gap A	Gap B
Cordless roller shade without top treatment / with Raceway	9/16" (0.53")	9/16" (0.53")
Cordless roller shade with Fascia	9/16" (0.59")	9/16" (0.59")
Cordless roller shade with Valance	1/2" (0.49")	1/2" (0.49")

Deductions

Fabric Deductions and Finished Widths by Lift System

Single SmartRelease™ - Inside Mount			
Shade Width	**Shade Length**	**Shade Type**	**Fabric width**
12" to 118"	12" to 144"	SmartRelease™ with raceway	Fabric Width = Order Width - 1 9/16" (1.545")
		SmartRelease™ with fascia	Fabric Width = Order Width - 1 11/16" (1.655")
		SmartRelease™ with valance	Fabric Width = Order Width - 1 1/2" (1.465")

Finished shade width(X)
= L-Bracket cover to R-Bracket cover

Hem Bar

A: Gap on End Plug side

B: Gap on Clutch side
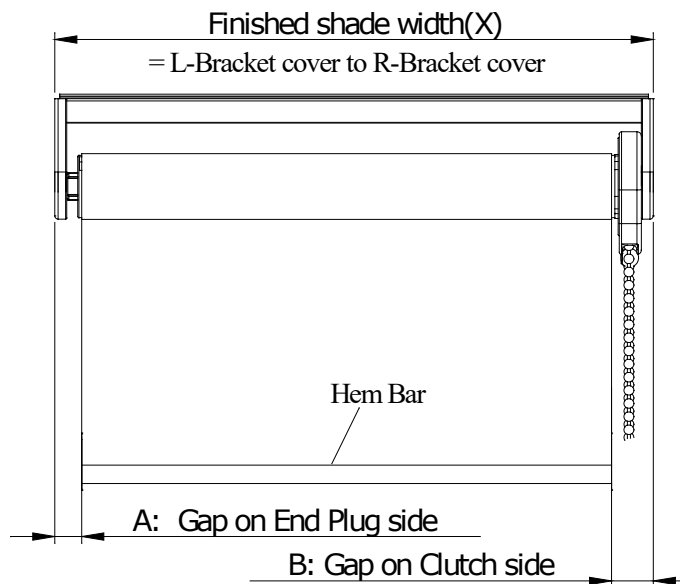
Shade Type	Chain Clutch	Tube Diameter	Gap A	Gap B
SmartRelease™ with Raceway	1 3/4"	1 3/4"	9/16" (0.53")	7/8" (0.89")
	2"	2"	9/16" (0.53")	7/8" (0.89")
SmartRelease™ with Fascia	1 3/4"	1 3/4"	9/16" (0.59")	15/16" (0.94")
	2"	2"	9/16" (0.59")	15/16" (0.94")
SmartRelease™ with Valance	1 3/4"	1 3/4"	1/2" (0.49")	7/8" (0.85")
	2"	2"	1/2" (0.49")	7/8" (0.85")

Deductions

Fabric Deductions and Finished Widths by Lift System

Single Continuous Cord Loop - Inside Mount					
Shade Width	Shade Height	Clutch Size	Tube Size	Shade Type	Tube/fabric width
8" to 60" *	12" to 144"	1 1/8"	1 1/8" *	CCL without top treatment, OR with raceway only	Fabric Width = Order Width – 1 3/8" (1.405")
				CCL with fascia	Fabric Width = Order Width – 1 1/2" (1.525")
61" to 96"		1 3/4"	1 3/4"	CCL with valance	Fabric Width = Order Width – 1 5/16" (1.325")
97" to 118"		1 3/4"	2"	CCL without top treatment/with raceway	Fabric Width = Order Width – 1 7/16" (1.445")
				CCL with fascia	Fabric Width = Order Width – 1 9/16" (1.565")
				CCL with valance	Fabric Width = Order Width – 1 3/8" (1.365")

Tube Size Override

*For Continuous Cord Loop shades with widths 60" and under: Depending on the configurations of the selected fabric, the weight may exceed the limitations of the standard 1 1/8" tube size. When this occurs, the shade could be produced with a 1 3/4" tube, instead.

Finished shade width(X) = L-Bracket cover to R-Bracket cover

Hem Bar

A: Gap on End Plug side
B: Gap on Clutch side
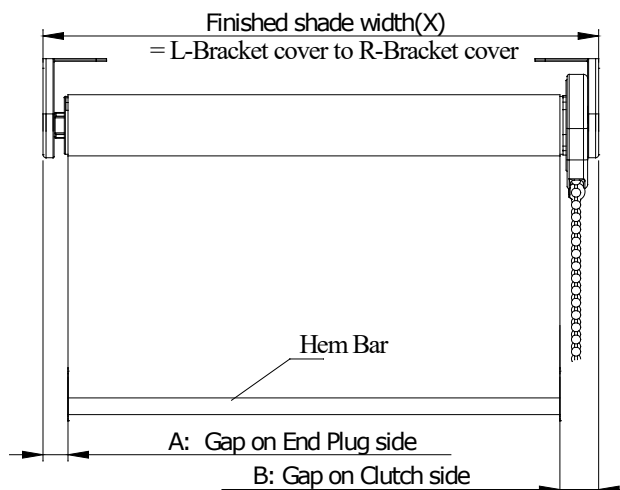
Shade type	Chain Clutch	Tube diameter	Gap (A)	Gap (B)
Continuous Cord Loop without top treatment	1 1/8"	1 1/8"	9/16"	3/4"
	1 3/4"	1 3/4"	9/16"	3/4"
	1 3/4"	2"	9/16"	13/16"
Continuous Cord Loop with Raceway	1 1/8"	1 1/8"	9/16"	3/4"
	1 3/4"	1 3/4"	9/16"	3/4"
	1 3/4"	2"	9/16"	13/16"
Continuous Cord Loop With Fascia	1 1/8"	1 1/8"	9/16"	13/16"
	1 3/4"	1 3/4"	9/16"	13/16"
	1 3/4"	2"	9/16"	7/8"
Continuous Cord Loop With Valance	1 1/8"	1 1/8"	1/2"	11/16"
	1 3/4"	1 3/4"	1/2"	11/16"
	1 3/4"	2"	1/2"	3/4"

Deductions

Fabric Deductions and Finished Widths by Lift System

Single Motorized - Inside Mount					
Motor Type	**Shade Width**	**Shade Length**	**Tube Dimensions**	**Shade Type**	**Fabric Width**
Motorized (ARC), Norman Smart AC Adapter Plug-in, and Norman Smart Rechargeable Battery with Charging Wands	(Min width) to 118"	12" to 144"	1 3/4", 2"	Motorized without top treatment / Motorized with raceway	Fabric Width=Order Width- 1 3/8"(1.36")
				Motorized with Fascia	Fabric Width=Order Width- 1 1/2" (1.48")
				Motorized with Valance	Fabric Width=Order Width- 1 5/16" (1.28")
Norman Smart Rechargeable Battery with AC Adapter Charger	24" to 118"	12" to 144"	1 3/4", 2"	Motorized without top treatment / Motorized with raceway	Fabric Width=Order Width- 1 7/16"(1.42")
				Motorized with Fascia	Fabric Width=Order Width- 1 9/16" (1.54")
				Motorized with Valance	Fabric Width=Order Width- 1 3/8" (1.35")

Finished shade width(X) = L-Bracket cover to R-Bracket cover

Hem Bar

A: Gap on End Plug side   B: Gap on motor side
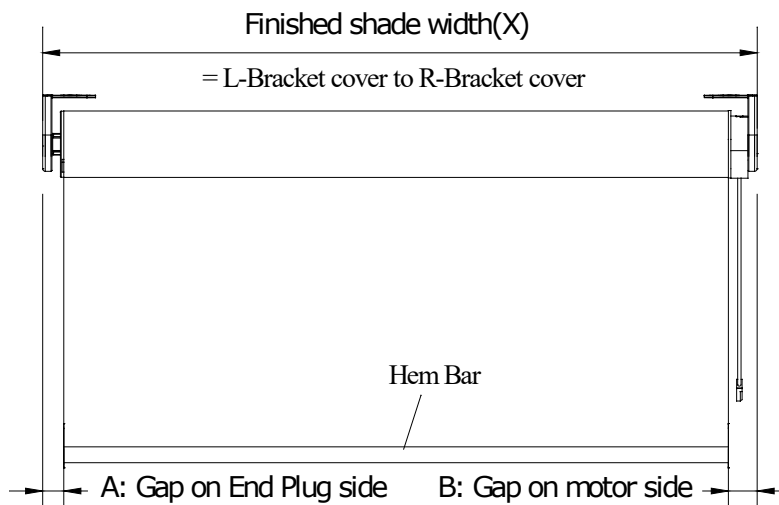
Shade type	Tube diameter	Gap A	Gap B	Gap B (Norman Smart AC Charger only)
Motorized roller shade without top treatment	1 3/4" or 2"	9/16"	11/16"	3/4"
Motorized roller shade with Raceway	1 3/4" or 2"	9/16"	11/16"	3/4"
Motorized roller shade with Fascia	1 3/4" or 2"	9/16"	3/4"	13/16"
Motorized roller shade with Valance	1 3/4" or 2"	1/2"	11/16"	3/4"

Deductions

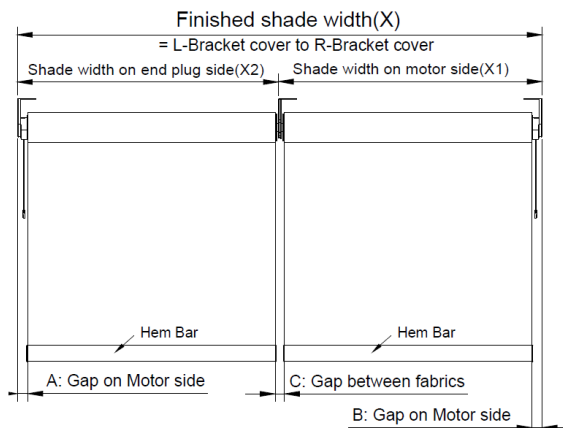**Fabric Deductions and Finished Widths by Lift System – Coupled Shades**

Coupled shades in Continuous Cord Loop
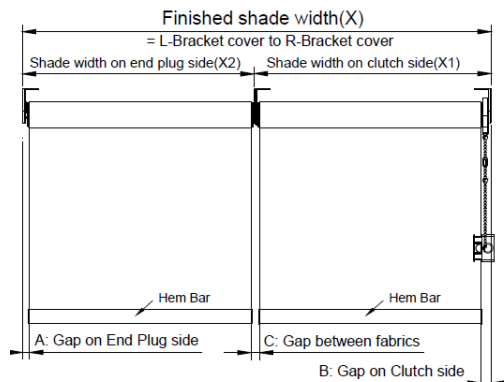
Shade Type	Tube Diameter	Gap A	Gap B	Gap C
CCL Without Top Treatment or With Raceway only	1 ¾"	9/16" (0.53)	3/4" (0.75")	3/4" (0.75")
	2"	9/16" (0.53)	13/16" (0.79")	3/4" (0.75")
CCL with Fascia	1 ¾"	9/16" (0.53)	13/16" (0.81")	3/4" (0.75")
	2"	9/16" (0.53)	7/8" (0.85")	3/4" (0.75")
CCL with Valance	1 ¾"	1/2" (0.49")	11/16" (0.71")	3/4" (0.75")
	2"	1/2" (0.49")	3/4" (0.75")	3/4" (0.75")

Coupled shades in Motorized
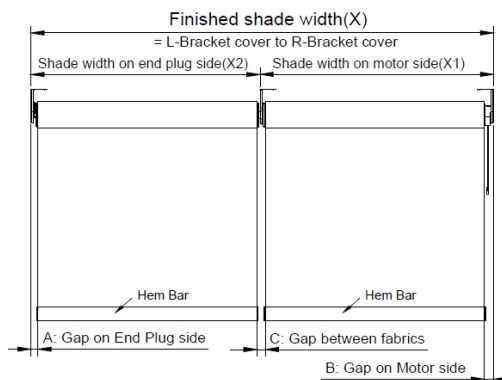
Shade Type	Tube diameter	Motor type	Gap A	Gap B	Gap C
Motorized without top treatment / with raceway	1 3/4", 2"	All motors	9/16" (0.53")	11/16" (0.71")	3/4" (0.75)
		Norman Smart RB w/ AC Charger	9/16" (0.53")	3/4" (0.77")	3/4" (0.75)
Motorized with Fascia	1 3/4", 2"	All motors	9/16" (0.59")	3/4" (0.77")	3/4" (0.75)
		Norman Smart RB w/ AC Charger	9/16" (0.59")	13/16" (0.83")	3/4" (0.75)
Motorized with Valance	1 3/4", 2"	All motors	1/2" (0.49")	11/16" (0.67")	3/4" (0.75)
		Norman Smart RB w/ AC Charger	1/2" (0.49")	3/4" (0.73")	3/4" (0.75)

Deductions

Fabric Deductions and Finished Widths by Lift System – Independently Coupled Shades

Coupled shades in Continuous Cord Loop
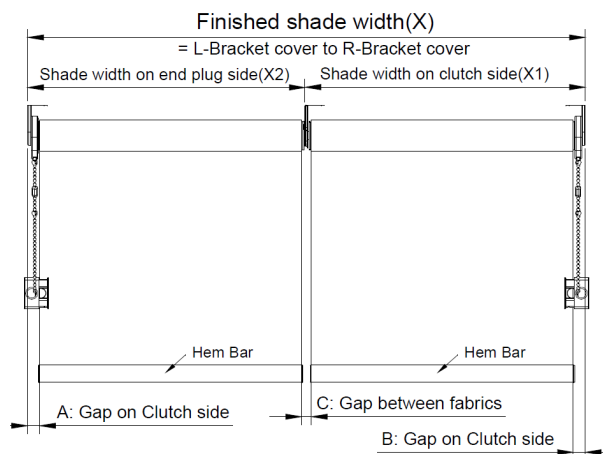
Shade Type	Tube Diameter	Gap A & B	Gap C
CCL Without Top Treatment or With Raceway only	1 ¾"	3/4" (0.75")	3/4" (0.75")
	2"	13/16" (0.79")	3/4" (0.75")
CCL with Fascia	1 ¾"	13/16" (0.81")	3/4" (0.75")
	2"	7/8" (0.85")	3/4" (0.75")
CCL with Valance	1 ¾"	11/16" (0.71")	3/4" (0.75")
	2"	3/4" (0.75")	3/4" (0.75")

Finished shade width(X) = L-Bracket cover to R-Bracket cover
Shade width on end plug side(X2) | Shade width on clutch side(X1)
Hem Bar
A: Gap on Clutch side
C: Gap between fabrics
B: Gap on Clutch side

Coupled shades in Motorized

Finished shade width(X) = L-Bracket cover to R-Bracket cover
Shade width on end plug side(X2) | Shade width on motor side(X1)
Hem Bar
A: Gap on Motor side
C: Gap between fabrics
B: Gap on Motor side

Shade Type	Tube diameter	Motor type	Gap A & B	Gap
Motorized without top treatment / with raceway	1 3/4", 2"	All motors	11/16" (0.71")	3/4" (0.75")
		Norman Smart RB w/ AC Charger	3/4" (0.77")	3/4" (0.75")
Motorized with Fascia	1 3/4", 2"	All motors	3/4" (0.77")	3/4" (0.75")
		Norman Smart RB w/ AC Charger	13/16" (0.83")	3/4" (0.75")
Motorized with Valance	1 3/4", 2"	All motors	11/16" (0.67")	3/4" (0.75")
		Norman Smart RB w/ AC Charger	3/4" (0.73")	3/4" (0.75")

Deductions

Fabric Deductions and Finished Widths by Lift System – Dual Shades

Dual shade in Continuous Cord Loop

Finished shade width(X)
= L-Bracket cover to R-Bracket cover

Hem Bar

A:Gap on end plug side

B: Gap on clutch side

	Chain Clutch	Tube diameter	Gap A	Gap B
without top treatment	1 1/8"	1 1/8"	3/4"	3/4"
	1 3/4"	1 3/4"	3/4"	3/4"
with Fabric Valance	1 1/8"	1 1/8"	11/16"	11/16"
	1 3/4"	1 3/4"	11/16"	11/16"

Dual shade in SmartRelease™

Finished shade width(X)
= L-Bracket cover to R-Bracket cover

Hem Bar

A:Gap on end plug side

B: Gap on clutch side

	Chain Clutch	Tube diameter	Gap A	Gap B
without top treatment	1 3/4"	1 3/4"	7/8"	7/8"
with Fabric Valance	1 3/4"	1 3/4"	7/8"	7/8"

Dual shade in Motorized

Finished shade width(X)
= L-Bracket cover to R-Bracket cover

Hem Bar

A: Gap on end plug side

B: Gap on motor side

Shade type	Motor Type	Gap A	Gap B
With Raceway	Motorized / Norman® Smart Motorized with AC Adapter Plug-In	11/16"	11/16"
		3/4"	3/4"
With Fabric Valance	Norman® Smart Motorized with AC Adapter Charger	11/16"	11/16"
		3/4"	3/4"

Dual shade in PrecisionLift™ Cordless

Finished shade width(X)
= L-Bracket cover to R-Bracket cover

Hem Bar

A: Gap on end plug side

B: Gap on tension dial side

	Gap A	Gap B
without top treatment	9/16"	9/16"
with Fabric Valance	1/2"	1/2"

Deductions

Deductions / Finished Widths by Top Treatment

Inside Mount		
Top Treatment		**Finished Width**
Fascia Width	including end caps	Fascia width = shade width
		Common fascia width = left/center/right total shade order width+ gaps between shades − 1/8"
	excluding end caps	Fascia width = shade width − 1/8"
		Common fascia width = left/center/right total shade order width+ gaps between shades − 1/4"
Wood/ Fabric Valance Width	excluding valance returns	Valance width = shade width
		Common valance width= left/center/right total shade order width+ gaps between shades −1/8"

* Shade width = order width − 1/8"

Semi-Inside Mount		
Top Treatment		**Finished Width**
Fascia Width	including end caps	Fascia width = shade width*
		Common fascia width = left/center/right total shade order width+ gaps between shades − 1/8"
	excluding end caps	Fascia width = shade width* − 1/8"
		Common fascia width = left/center/right total shade order width+ gaps between shades − 1/4"
Wood/Fabric Valance Width	including valance returns	Valance inner width = shade width* + 3/16" x return qty
		Common valance inner width= left/center/right total shade order width+ gaps between shades − 1/8" + 3/16" x return qty
		For Fabric Valance: Valance width = Valance inner width + 5/16" x return qty
		For Wood Modern Valance: Valance width = valance inner width + 7/16" x return qty
		For Wood Crown Valance: Valance width = valance inner width + 5/8" x return qty

* Shade width = order width − 1/8"

Outside Mount		
Top Treatment		**Finished Width**
Fascia Width	including end caps	Fascia width = shade width*
		Common fascia width = left/center/right total shade order width+ gaps between shades
	excluding end caps	Fascia width = shade width* − 1/8"
		Common fascia width = left/center/right total shade order width+ gaps between shades − 1/8"
Wood/Fabric Valance Width	including valance returns	Valance inner width = shade width* + 3/16" x return qty
		Common valance inner width= left/center/right total shade order width+ gaps between shades + 3/16" x return qty
		For Fabric Valance: Valance width = Valance inner width + 5/16" x return qty
		For Wood Modern Valance: Valance width = valance inner width + 7/16" x return qty
		For Wood Crown Valance: Valance width = valance inner width + 5/8" x return qty
	excluding valance returns	Valance width = shade width* = order width
		Common valance width= left/center/right total shade order width+ gaps between shades

* Shade width = order width

Custom Top Treatment Width
- When requesting custom length fascia, please specify width from fascia end cap to end cap.
  - The max specified width can be X+12" (The max width that can be exceed the left / right side is 6")
- When requesting custom length valance, please specify based on the inner width.

Mounting Depth Illustrations

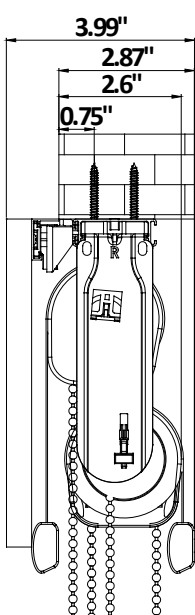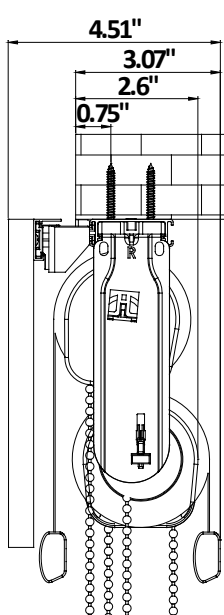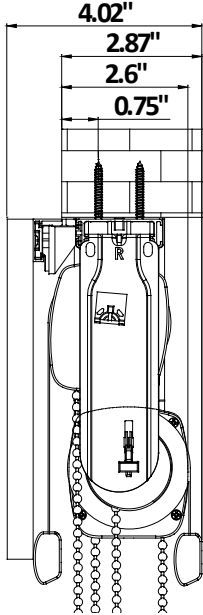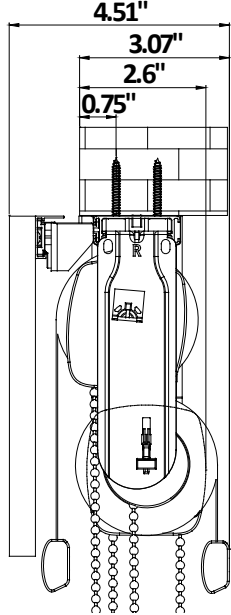**Mounting Depth for Shades With No Raceway, and No Top Treatment:**

No top treatment CCL (with 1 1/8 " Clutch)	No top treatment CCL (with 1 3/4"Clutch)	No top treatment Motorized with 1 3/4" tube	No top treatment Motorized with 2" tube	No top treatment Cordless
3.27" 2.99" 2.22" 0.75"	3.78" 3.25" 2.46" 0.75"	3.55" 3.14" 0.75"	3.79" 3.25" 0.75"	3.4" 3.06" 2.4" 0.75"

Mounting Depths for Dual Shades With No Valance:

Dual Roller CCL with 1 1/8" Clutch	Dual Roller CCL with 1 3/4" Clutch	Dual Roller Motorized with 1 3/4" tube	Dual Roller Cordless	Dual Roller SmartRelease™ 1 3/4"Clutch
3.42" 2.83" 2.36" 0.75"	3.86" 3.07" 2.6" 0.75"	3.86" 3.07" 2.56" 0.75"	3.86" 3.07" 2.52" 0.75"	3.86" 3.07" 2.6" 0.75"

Mounting Depth Illustrations

Mounting Depth for Shades With a Raceway, but No Top Treatment:

Raceway CCL with 1 1/8"Clutch	Raceway CCL with 1 3/4"Clutch	Raceway Motorized with 1 3/4" tube	Raceway Motorized with 2" tube	Raceway Cordless	Raceway SmartRelease™ 1 3/4" Clutch	Raceway SmartRelease™ 2" Clutch
3.27" 2.93" 2.16" 0.75"	3.78" 3.19" 2.4" 0.75"	3.55" 3.07" 2.36" 0.75"	3.79" 3.26" 2.6" 0.75"	3.4" 2.99" 2.33" 0.75"	3.55" 3.07" 2.4" 0.75"	3.79" 3.19" 2.83" 0.75"

Mounting Depths for Shades with a Fascia:

3.5" Fascia CCL 1 1/8"Clutch	3.5" Fascia CCL 1 3/4" Clutch	3.5" Fascia Motorized with 1 3/4" tube	3.5" Fascia Motorized with 2" tube	3.5" Fascia Cordless	3.5" Fascia SmartRelease™ 1 3/4"Clutch
3.38" 2.68" 2.16" 0.75"	3.58" 2.87" 2.4" 0.75"	3.58" 2.87" 2.36" 0.75"	3.58" 2.87" 2.52" 0.75"	3.58" 2.87" 2.32" 0.75"	3.58" 2.87" 2.4" 0.75"

4.5" Fascia CCL 1 1/8"Clutch	4.5" Fascia CCL 1 3/4" Clutch	4.5" Fascia Motorized with 1 3/4" tube	4.5" Fascia Motorized with 2" tube	4.5" Fascia SmartRelease™ 1 3/4" Clutch	4.5" Fascia SmartRelease™ 2" Clutch	4.5" Fascia Cordless
3.93" 2.91" 2.16" 0.75"	4.17" 3.19" 2.4" 0.75"	4.06" 3.07" 2.36" 0.75"	4.19" 3.19" 2.52" 0.75"	4.06" 3.07" 2.4" 0.75"	4.19" 3.19" 2.4" 0.75"	4.01" 2.99" 2.33" 0.75"

Mounting Depth Illustrations
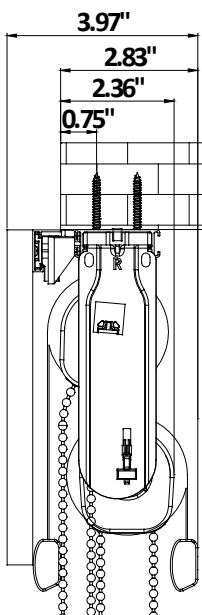
Mounting Depth for Shades With a Valance:
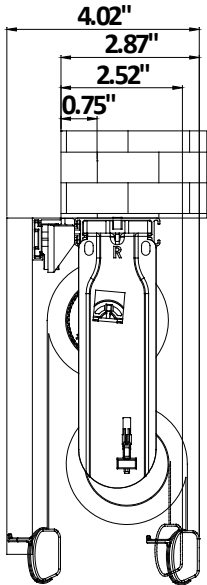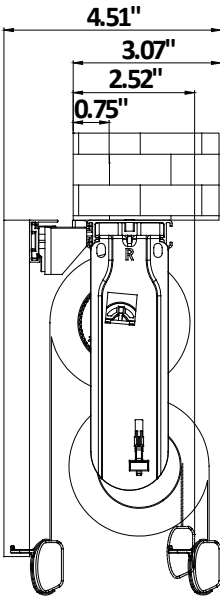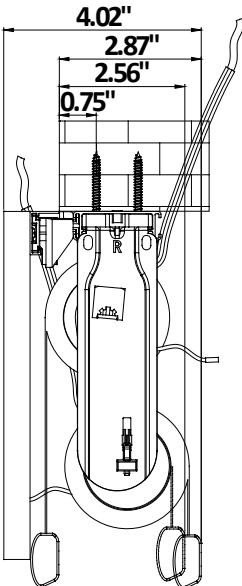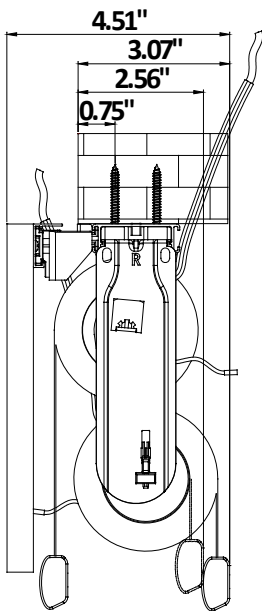
Valance CCL with 1 1/8"Clutch Small Diameter / Large Diameter	Valance CCL with 1 3/4"Clutch Small Diameter / Large Diameter

Small Diameter: 4.06" / 2.87" / 2.16" / 0.75"
Large Diameter: 4.45" / 2.91" / 2.16" / 0.75"

Small Diameter: 4.06" / 2.87" / 2.4" / 0.75"
Large Diameter: 4.69" / 3.19" / 2.4" / 0.75"

Valance Motorized with 1 3/4" tube Small Diameter / Large Diameter	Valance Motorized with 2" tube Small Diameter / Large Diameter

Small Diameter: 4.08" / 2.87" / 2.36" / 0.75"
Large Diameter: 4.57" / 3.07" / 2.36" / 0.75"

Small Diameter: 4.08" / 2.87" / 2.52" / 0.75"
Large Diameter: 4.72" / 3.19" / 2.52" / 0.75"

Valance Cordless Small valance bracket / Large valance bracket	Valance SmartRelease™ with 1 3/4"Clutch Small valance bracket / Large valance bracket	Valance SmartRelease™ with 2"Clutch

Small valance bracket: 4.08" / 2.87" / 2.33" / 0.75"
Large valance bracket: 4.52" / 2.99" / 2.33" / 0.75"

Small valance bracket: 4.08" / 2.87" / 2.4" / 0.75"
Large valance bracket: 4.57" / 3.07" / 2.4" / 0.75"

4.72" / 3.19" / 2.83" / 0.75"

Note: Diagrams reflect the thickest valance type: Crown Valance

Mounting Depth Illustrations
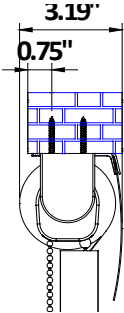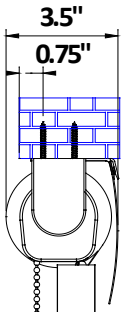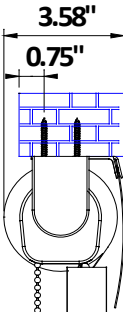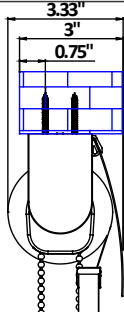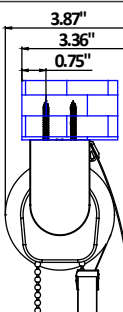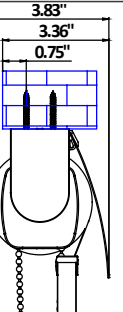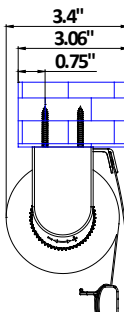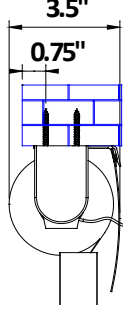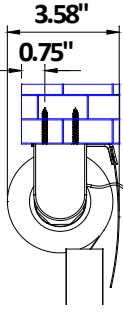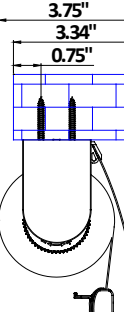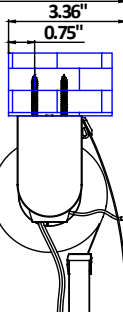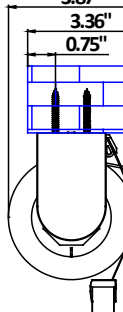
Mounting Depths for Dual Shades With 7" Fabric Valance:

Dual Shade with Valance CCL with 1/8" Clutch	Dual Shade with Valance CCL with 1 3/4" Clutch Small Valance Bracket / Large Valance Bracket	Dual Shade with Valance SmartRelease™ 1 3/4" Clutch Small Valance Bracket / Large Valance Bracket

3.97" / 2.83" / 2.36" / 0.75"

3.99" / 2.87" / 2.6" / 0.75" — 4.51" / 3.07" / 2.6" / 0.75"

4.02" / 2.87" / 2.6" / 0.75" — 4.51" / 3.07" / 2.6" / 0.75"

Dual Shade with Valance Cordless Small Valance Bracket / Large Valance Bracket	Dual Shade with Valance Motorized with 1 3/4" tube Small Valance Bracket / Large Valance Bracket

4.02" / 2.87" / 2.52" / 0.75" — 4.51" / 3.07" / 2.52" / 0.75"

4.02" / 2.87" / 2.56" / 0.75" — 4.51" / 3.07" / 2.56" / 0.75"
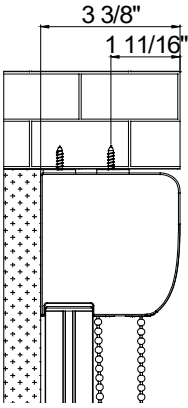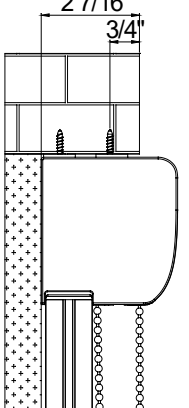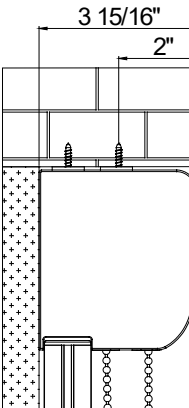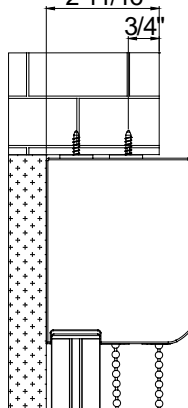
Mounting Depth Illustrations – Light Guard

Minimum Mounting Depth Requirements for Roller Shades with Wood or Aluminum Light Guard

	1 1/8" tube	1 ¾" tube	2" tube
Continuous Cord Loop **No Raceway or Top Treatment**	3.19" 0.75"	3.5" 0.75"	3.58" 0.75"
	CCL with 1 1/8" clutch	**CCL with 1 3/4" clutch / SmartRelease™ 2" clutch**	**SmartRelease™ with 1 3/4" clutch**
Cordloop / Smart-Release™ **With Raceway**	3.33" 3" 0.75"	3.87" 3.36" 0.75"	3.83" 3.36" 0.75"
	Cordless	**Motorized 1 ¾" tube**	**Motorized 2" tube**
Cordless/ Motorized **No Raceway or Top Treatment**	3.4" 3.06" 0.75"	3.5" 0.75"	3.58" 0.75"
Cordless/ Motorized **With Raceway**	3.75" 3.34" 0.75"	3.83" 3.36" 0.75"	3.87" 3.36" 0.75"

Mounting Depth Illustrations – LightGuard 360™

For all lift systems with LightGuard 360™:

3 1/2" Housing & Housing Cover		4 1/2" Housing & Housing Cover	
Inside Mount	Semi-Inside Mount	Inside Mount	Semi-Inside Mount
3 3/8" 1 11/16"	2 7/16" 3/4"	3 15/16" 2"	2 11/16" 3/4"

Mounting Depth Illustrations – Outside Mount

The *mounting area height* refers to the area required for installing screws, and *mounting space height* refers to the space required for the shade

Mounting area height: **(2 1/16")**

Mounting space:
   Shade with 1 1/8" clutch--mounting space height: **(2 3/8")**
   Shade with 1 ¾" & 2" clutch--mounting space height: **(2 5/8")**

0.75"

Mounting Area
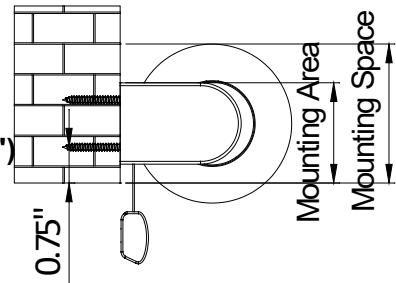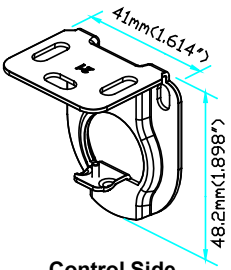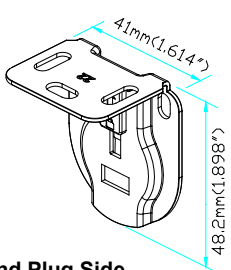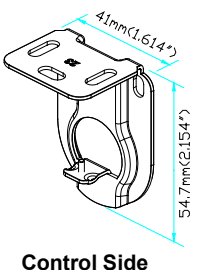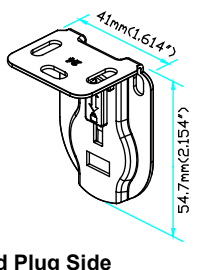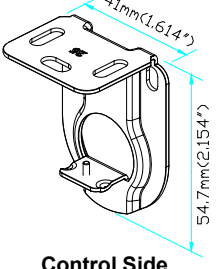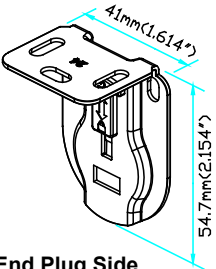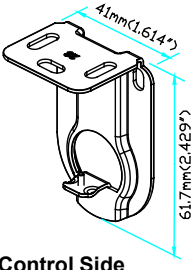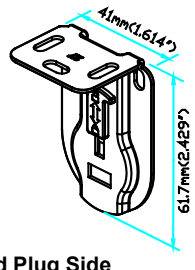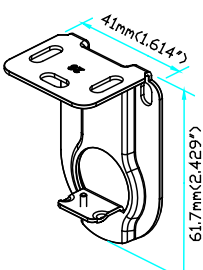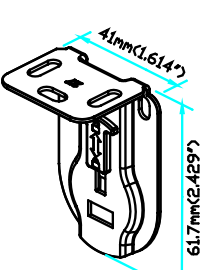
Mounting Space

Outside Mount With Top Treatment

Minimum mounting space height: **1 ½"**

1.5"

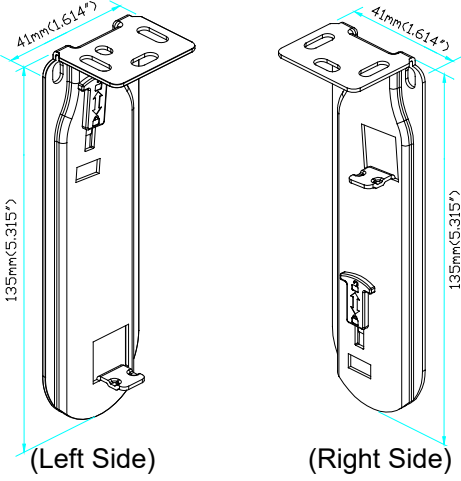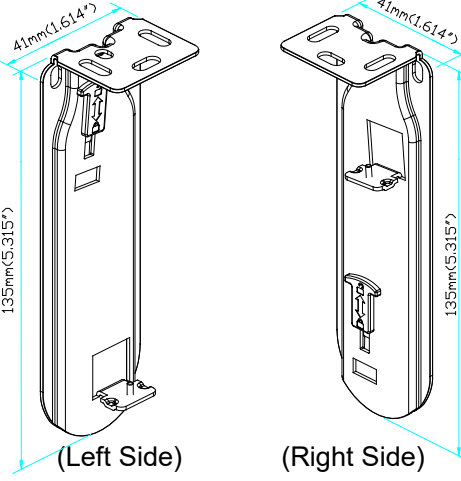0.75"
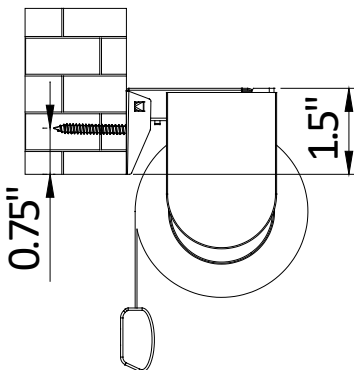
Bracket Dimensions

Bracket	Picture	Description
Small Brackets	41mm(1.614") / 48.2mm(1.898") — **Control Side** / **End Plug Side**	• 1 1/8" Clutch • Motorized
Medium Brackets	41mm(1.614") / 54.7mm(2.154") — **Control Side** / **End Plug Side**	• 1 1/8" Clutch • Motorized
Medium Brackets (with wider lug)	41mm(1.614") / 54.7mm(2.154") — **Control Side** / **End Plug Side**	• 1 3/4" Clutch • PrecisionLift™ Cordless
Large Bracket: Motorized	41mm(1.614") / 61.7mm(2.429") — **Control Side** / **End Plug Side**	• Motorized • Motorized Coupled Shades
Large Mounting Brackets (with wider lug)	41mm(1.614") / 61.7mm(2.429") — **Control Side** / **End Plug Side**	• 1 3/4" Clutch • PrecisionLift™ Cordless • CCL Coupled Shades

Bracket Dimensions
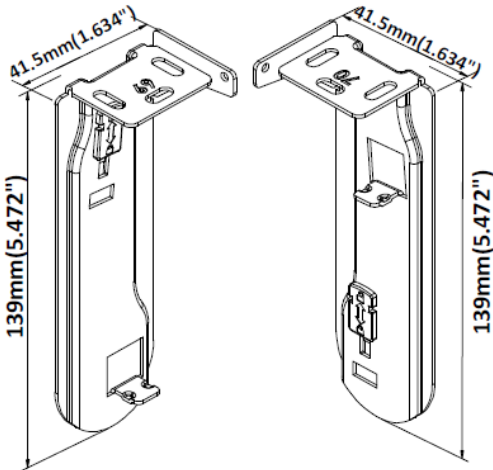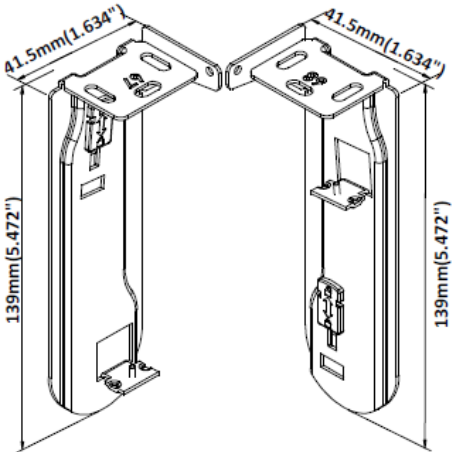
Inside Mount Dual Shades
- No Valance & 7" Fabric Valance

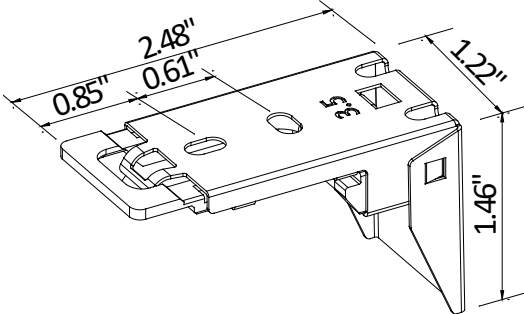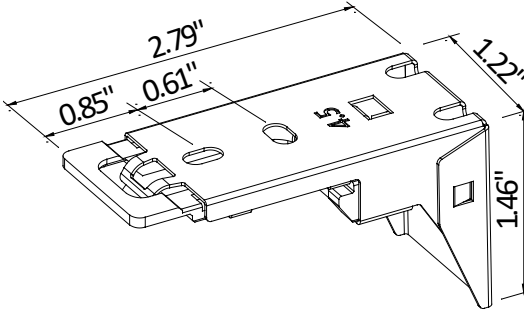| Bracket	Picture	Lift System & Clutch Size
Dual Shades Mounting Brackets	41mm(1.614") 135mm(5.315") (Left Side) / 41mm(1.614") 135mm(5.315") (Right Side)	Used for: • IM with Raceway • 1 1/8" Clutch • Motorized
Dual Shades Mounting Brackets: (with wider lugs)	41mm(1.614") 135mm(5.315") (Left Side) / 41mm(1.614") 135mm(5.315") (Right Side)	Used for: • IM with Raceway • 1 3/4" Clutch • PrecisionLift™ Cordless & SmartRelease™

Bracket Dimensions

Outside Mount For Dual Shades

- No Valance & 7" Fabric Valance

| Bracket	Picture	Lift System & Clutch Size
Dual Shades Mounting Brackets	Left side Right side	Used for: • OM with Raceway • 1 1/8" Clutch • Motorized
Dual Shades Mounting Brackets: (with wider lugs)	Left side Right side	Used for: • OM with Raceway • 1 3/4" Clutch • PrecisionLift™ Cordless • SmartRelease™

Bracket Dimensions

Outside Mount with Raceway

Bracket	Picture	Description
OM mounting bracket-3.5		Used for: • Outside mount with raceway • Inside Back mount with raceway
OM mounting bracket-4.5		Used for: • Outside mount with raceway • Inside Back mount with raceway

| System	Width (X)	Length (Y)	OM Bracket Size
PrecisionLift™ Cordless	X≦96"	Y≦96"	3.5"
		Y＞96"	4.5"
Clutch/Motorized	X≦96"	Y≦96"	3.5"
		Y＞96"	4.5"
	X＞96"	Y≦72"	3.5"
		Y＞72"	4.5"
SmartRelease™	X≦96"	Y≦96"	3.5"
		Y＞96"	4.5"
	X＞96"	All heights	4.5"

Hardware Information

Different installation hardware will be provided for different control systems. The quantity of some hardware will depend on the shade width.
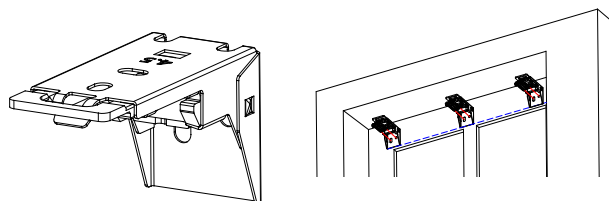
Shade Brackets used for IB Top Mount / IB Side Mount / IB back mount and OB <u>without raceway or top treatment</u>

≥3/4" ≥3/4" ≥3/4" ≥3/4"
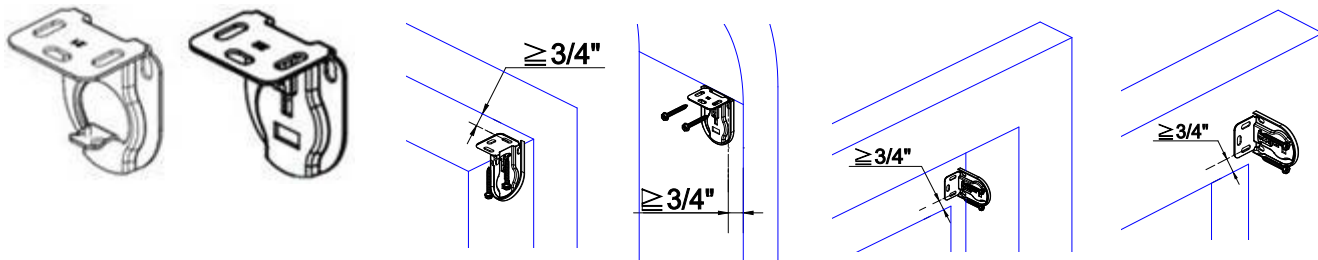
Mounting brackets used for IB Top Mount <u>with raceway or top treatment</u>
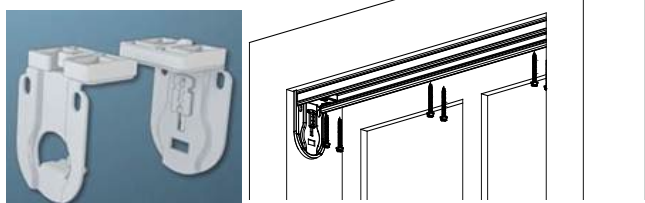
Mounting brackets used for IB Back / Wall Mount and OB <u>with raceway & top treatments</u>

Installation Bracket/Spacer Quantities

- Up to 3 sets of spacers/shims can be stacked.
- IM brackets will come automatically screwed onto raceway
- For fascia custom widths, the qty of valance bracket = (Custom width - 12") / 28 + 1
- For common valance or valance in custom width, the qty of valance bracket = (Outer width of each piece -12")/28+1
- Not available for LightGuard 360™ and Cassette System

Single Shades	Shade width X	Shade bracket qty	Mounting bracket qty	1 shim per bracket	2 shims per bracket	3 shims per bracket
IM & OM without raceway	All	2	n/a	2	4	6
IM with raceway	X≦80"	2	n/a	3	6	9
	X>80"	2	n/a	5	10	15
OM with raceway	8"≦X≦40"	2	2	2	4	6
	40" <X≦80"	2	3	3	6	9
	X>80"	2	4	4	8	12

Dual Shades	Shade width X	Shade bracket qty	Mounting bracket qty	1 shim per bracket	2 shims per bracket	3 shims per bracket
IM with raceway	X≦80"	2	n/a	3	6	9
	X>80"	2	n/a	5	10	15
OM with raceway	8" ≦X≦40"	2	2	2	4	6
	40" <X≦80"	2	3	3	6	9
	X>80"	2	4	4	8	12

Coupled Shades	Shade width X	Shade bracket qty	Link bracket qty	1 shim per bracket	2 shims per bracket	3 shims per bracket
IM & OM without raceway	All	2	1	3	6	9

*For Coupled Shades with Raceway/Top Treatment:
- IM brackets will come pre-screwed onto the raceway.
- OM: The total mounting bracket QTY is equal to Left shade QTY + Right shade QTY.

Soluna™ Roller Shades
Product Care Instructions

Soluna™ Roller shades are designed for sustainability. Occasional dusting is still recommended as it will help maintain the beauty of your shade. Here are the proper methods for cleaning Roller Shades.

Dusting:

- Use a duster to remove any light dust
- Use a vacuum with a soft brush attachment or a handheld vacuum to remove dust and debris
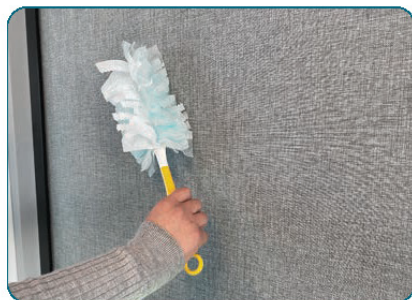
Spot cleaning:

- Roller Fabrics cannot be dampened or spot cleaned. Water will damage the fabric.
- Solar Screens can be spot cleaned with a damp cloth. If necessary, a mild detergent can be used and must be rinsed out thoroughly. Always allow the shade to dry completely in a lowered position before operating.

Solar Screens Only
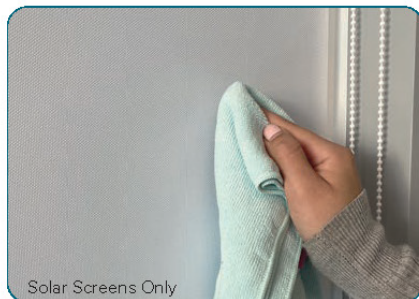
Iron/Steam:

- Do not iron roller shade fabrics.
- If wrinkles develop, a garment steamer can be used on the select roller shade fabrics listed below:

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Fabric Type	Collection Name	Garment Steamer Can Be Used
Light Filtering - Sheer & Natural, Designer	Aruba, Bali, Bora Bora, Breeze, Caroline, Clarissa (Wheat, Platinum, Tobacco Brown & Sable Brown), Dazzle, Emery, Francis, Java, Kendra, Phuket, Riviera, Samoa, Shimmer, Sierra, Sumatra	Yes
	Amelia, Bahamas, Brook, Chelsea, Clarissa (Burlap, Porcelain), Hayes, Lola LF, Maui Natural, Sheer, Valerie, Lake Tahoe, Scarlett	No
Room Darkening	Bermuda**, Cambria, Canvas, Clarissa RD, Garden (RD Foliage), Jewel, Luxe	Yes
	Bridget, Fiji, Garden (Winter White, Ecru, Cinnamon, Forest, Midnight), Glamour, Jamaica, Lola BO, Maui, Summerland, Cory	No
Solar Screen	Flow (1%), Flow (7%), Jubilee (3%), Lakeview (10%), Lakeview (3%), Lakeview (7%), Meadows (1%), Meadows (3%), Moon (5%), Serene (1%), Serene (3%), Serene (7%), Windsong (5%), A300 (1%), A300 (10%), A300 (3%), A300 (5%), AB600 (5%), AB600 (8%), W120 (12%)	Yes
	Flow (5%), Windsong (1%), A100 (3%), A400 (1%), A400 (10%), A400 (3%), A400 (5%), A820 (3%)	No

**Keep steamer 1~2 inches away from this fabric.

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