

Contents

General Information.....LPGI-2

Warranty.....LPGI-3

GREENGUARD CertificationLPGI-4

Care & CleaningLPGI-5

Adjusting for Skew.....LPGI-9

Child Safety.....LPGI-10

Energy EfficiencyLPGI-12

 Star Charts.....LPGI-14

 Operating Tips.....LPGI-18

Measuring Guidelines.....LPGI-19

Finished Dimensions Tolerances.....LPGI-24

Mounting Chart.....LPGI-25

Operating Systems.....LPGI-30

Options.....LPGI-32

Decorative Window Fashion SupportLPGI-34

Specialty ShapesLPGI-35

Privacy and Light ControlLPGI-36

Flame Retardant Fabric.....LPGI-39

General Information

This section includes valuable information that applies to all LEVOLOR® PREMIER™ products — including such important subjects as care and cleaning, child safety and energy efficiency. This section also includes information about the LEVOLOR PREMIER strong commitment to quality. Be sure to review the Warranty™ information below.

10-Year Limited Warranty

COVERED

by a 10-Year
Limited Warranty

- LEVOLOR® PREMIER™ products are covered for defects in materials, workmanship or failure to operate for 10 years from the date of purchase (unless a shorter period is provided below), provided that the original retail purchaser continues to own the product.
- All internal mechanisms.
- Fabric delamination.
- Components, brackets and operational cords.
- Repairs and/or replacements will be made with like or similar parts or products. Fabric style, color or components may vary depending on original purchase date.
- LEVOLOR PREMIER motorization components are covered for 5 years from the date of purchase.

NOT COVERED

by a 10-Year
Limited Warranty

- Any conditions caused by normal wear and tear.
- Abuse, accidents, misuse or alterations to the product.
- Exposure to the elements (sun damage, wind, water/moisture, salt air) and discoloration or fading over time.
- Normal maintenance associated with motors and related accessories including, but not limited to, recharging and replacement of batteries.
- Failure to follow our instructions with respect to measurement, proper installation, cleaning or maintenance.
- Shipping charges, cost of removal and reinstallation.

LEVOLOR PREMIER (or its licensed fabricator/distributor) will repair or replace the product or components found to be defective.

TO OBTAIN WARRANTY SERVICE:

- Contact your original dealer (place of purchase) for warranty assistance.
- Contact LEVOLOR PREMIER at 1-800-478-1538 for technical support, certain parts free of charge, for assistance in obtaining warranty service or for further explanation of our warranty.

NOTE: In no event shall LEVOLOR or its licensed fabricator/distributor be liable or responsible for incidental or consequential damages or for any other indirect damage, loss, cost or expense. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Different warranty periods and terms apply for commercial products and applications.

GREENGUARD Certification

As part of our commitment to sustainability, we have undergone rigorous testing and certification from UL Environment to verify that our products meet their stringent GREENGUARD standards for low chemical emissions into indoor air during product usage. Along with the distinctive style and superior quality you've come to expect from LEVOLOR® PREMIER™, GREENGUARD certification provides the assurance that our products contribute to healthier indoor air quality in your home. Visit greenguard.org or UL.com/GG for more information on the GREENGUARD testing and certification processes.

Certified LEVOLOR PREMIER Products **GREENGUARD Certification Program** **GREENGUARD Gold Certification**

- Alternative Wood Blinds
- Banded Shades
- Cellular Shades
- Composite Shutters
- Contemporary Roman Shades
- Hardwood Shutters
- Horizontal Shadings
- Panel Track Shades
- Poly Shutters
- Roller Shades
- Screen Shades
- Vertical Blinds
- Vertical Shadings
- Wood Blinds
- Woven Wood Shades

Certified LEVOLOR PREMIER Products **GREENGUARD Listed for Microbial Resistance**

- Poly Shutters

Care & Cleaning

Product Maintenance

The charts in the Care & Cleaning™ section list care and maintenance recommendations for most LEVOLOR® PREMIER™ window coverings. For additional information, consult Customer Support. Most LEVOLOR PREMIER soft window treatments do not require frequent cleaning. A light dusting or gentle vacuuming on a regular basis will keep them looking new for years.

Designed For Easy Care

- All LEVOLOR PREMIER products are made for a lifetime of wear-resistant, trouble-free performance.
- Many shade fabrics are specially treated to repel dust and dirt.
- Questions? Call LEVOLOR PREMIER Customer Support at 1-800-478-1538.
- Detailed cleaning instructions can be found on levolor.com/premier.

Recommended Cleaning Methods

Dusting

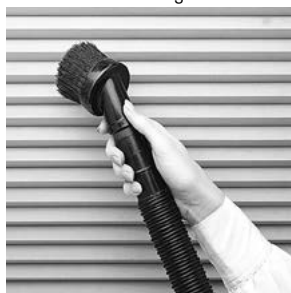
Regular light dusting maintains a like-new appearance for most blinds, shades, shadings, and shutters.



Dusting

Vacuuming

For deeper cleaning, vacuum gently with a brush attachment of any vacuum cleaner. Most products may be vacuumed using a vertical stroke; however, do not use a brush attachment with Vertical Shadings or Contemporary Roman Shades Palace fabric.



Vacuuming

Compressed Air or Hair Dryer (cool setting)

Use to blow dust off selected window coverings.

Spot-Cleaning

Spot-clean shades and blinds with a soft cloth or sponge moistened with lukewarm water. Add mild detergent if needed. Blot gently to avoid creasing or damaging the fabric. Rubbing can damage fabrics.

Notes

- Horizontal Shadings, and certain Cellular Shades fabrics should not be spot-cleaned.



Spot-Cleaning

Important!

Refer to the charts in the Care & Cleaning™ section for products not recommended for spot-cleaning.

- Use cool, distilled water when spot-cleaning fabric-covered headrails on Contemporary Roman Shades.
- Vinyl vertical blinds. Reduce buildup of static electricity by applying a very thin film of detergent on all vanes.

Ultrasonic Cleaning

Professional ultrasonic cleaning is recommended for several products (refer to the charts in the Care & Cleaning™ section section).

Important!

Refer to the charts in the Care & Cleaning™ section for products not recommended for ultrasonic cleaning.

Injection/Extraction Cleaning System

This type of cleaning injects a cleaning solution into the fabric and immediately extracts the dirty solution. It is a very effective way to deep clean your window treatments. The service is typically performed in the home so there is no need to remove the window treatments. Products that can use this method include most soft, fabric-based LEVOLOR PREMIER products (refer to the charts in the Care & Cleaning™ section).

Important!

Refer to the charts in the Care & Cleaning™ section for products not recommended for Injection/extraction cleaning.

Important!

Do not use this method to clean fabric-covered headrails, fabric-covered middle rails, fabric-covered bottom rails, fabric-covered valances, or fabric-covered returns.

To locate businesses that utilize this method, check the yellow pages or call LEVOLOR PREMIER Customer Support at 1-800-478-1538 for referrals. LEVOLOR PREMIER acknowledges these cleaning methods as being safe and effective. However, we cannot attest to the quality of equipment or services provided by any independent cleaning facility.

Steaming

Steaming can be done to remove wrinkles from some fabrics.

A hand-held travel-size steamer that provides continuous steam is best. Do not hold steamer head in direct contact with the fabric. A distance of 6" to 8" from the fabric folds is recommended. Heavy-duty steamers are not recommended. Contact LEVOLOR PREMIER Customer Support for product specifics.

Notes

- Additional information on steaming and dressing Contemporary Roman Shades can be found in the Contemporary Roman Shades product section.

Important!

Refer to the charts in the Care & Cleaning™ section for products not recommended for steaming.

Helpful Hints for Your Customer

To ensure that your customer has a thoroughly satisfying experience when purchasing LEVOLOR® PREMIER™ window fashions, the following helpful hints have been outlined by product category for your use. Pass these along to your customers when appropriate.

Alternative Wood or Vinyl Products

- To reduce static cling and help repel dust, wipe the product with dryer sheets.
- Do not use abrasive cleaners or chemical solvents, as they will scratch or damage the surface.
- Clean Poly Shutters with mild soap and water. Do not use ammonia-based products.

Wood Blinds

- Clean using a dry, soft feather duster, clean cloth, dust cloth, or dusting mitt. A vacuum with a soft brush attachment can also be used.
- Ultrasonic cleaning or use of chemical solvents and scrubbing cleansers are not recommended. They will damage the product.
- Protect all fine wood products from exposure to steam, high moisture areas, rain, or sprinkler systems to ensure their long life.
- When cleaning any window, spray glass cleaner on a cloth rather than spraying directly on the window. This will prevent damage to the wood finish by splattering the cleaner.

Cloth Tapes

- Spot-cleaning with fabric cleaning wipes found at your grocery store is recommended for all tapes. These will typically not leave a stain or discolor the tapes. We suggest a cleaning test on the underneath side of the blind where the tape wraps around the bottom rail where any stain would be the least visible.
- 100% polyester tapes can be spot-cleaned with cool distilled water using a clean white cloth. Support the tape from behind using another clean cloth that is dry. Use a gentle blotting action to clean the spot or soiled area. Rinse by blotting with clean distilled water. Let air dry. A gentle detergent can also be used on the 100% polyester trims.
- If the tape is shiny or has a luster, DO NOT USE WATER. The tape is most likely rayon or acetate. The result will be a water stain. Wipes are the best for all fiber contents.

Fabric Shades or Shadings

- Do not use magnetic cleaners such as a dusting mitt on light-dimming fabrics. This will damage the light-dimming backing.
- When cleaning any window, spray glass cleaner on a cloth rather than spraying directly on the window. This will prevent damage to the fabrics by splattering the cleaner.
- While some fabric window covering products may seem perfect for an outdoor setting, all products are recommended for indoor use only.

Vertical Shadings

When choosing an ultrasonic cleaning technician for Vertical Shading fabrics, be sure to ask:

- Have you ultrasonically cleaned Vertical Shadings for other customers?
- Do you have the proper equipment and Vertical Shading product knowledge? The ultrasonic cleaning process requires the Vertical Shadings be removed from the home and transported back to the cleaning facility. Vertical Shadings should be rolled on a tube during transport to minimize wrinkling and damage.
- Will the temperature of the bath water exceed 90° F? If the water temperature is higher than the recommendation, oxidation may occur in room-darkening vanes.
- Is your tank long enough to accommodate the length of the Vertical Shading? (Very important.) The tank used should be at least as long as the height of the Vertical Shading to allow for cleaning without folding and wrinkling the vanes.

Side Panels, Draperies and Roman Shades

After installing Side Panels, Draperies, or Roman Shades (and periodically thereafter), the products may need to be “dressed.” This involves steaming or otherwise smoothing the fabric to achieve a pleasing and uniform appearance along the full length of the Side Panels, Draperies, or shade.

- When steaming, a hand-held steamer on a low setting is recommended.

Woven Woods Shades

After installing a Woven Wood Roman shade, the shade may need to be “dressed.” Guide the shade up to ensure folds billow correctly. Steaming may also be used to reduce any wrinkle formed during shipping.

- When steaming, a hand-held steamer on a low setting is recommended. Do not touch steamer to fabric. Steam the liner material from the back of the shade. Do not steam Woven Wood face fabric. This involves steaming or otherwise smoothing the fabric to achieve a pleasing and uniform appearance along the full length of the shade.

Notes

- Dry environmental conditions in different parts of the country at various times of the year may generate static on fabric home furnishings — including window coverings. Should this occur, lightly apply a static spray for home furnishings, being sure to follow the manufacturer's instructions. Allow the shade/shading to dry in the fully closed/lowered position. If necessary, reapply the static spray each time the shade/shading is professionally cleaned.
- Refer to individual product Installation, Operation and Care Guides for further details.

Care & Cleaning

	Dusting	Hand-Held Vacuuming	Compressed Air	Hair Dryer (Cool Setting)	Spot-Cleaning	Ultrasonic Cleaning	Injection/Extraction Cleaning	Steaming
Alternative Wood Blinds								
All Products	•	•	•					
Banded Shades								
All Banded Fabrics	•	•	•	•	•	•	•	
Cellular Shades								
Acadia 3/8" Semi-Opaque	•	•	•	•	•	•	•	
Acadia 3/8" Opaque	•	•	•	•	•		•	
Acadia 3/4" Semi-Opaque	•	•	•	•	•	•	•	
Acadia 3/4" Opaque	•	•	•	•	•		•	
Dwell 3/4" Semi-Opaque	•	•	•	•	•	•	•	
Dwell 3/4" Opaque	•	•	•	•	•		•	
Harmony Cell-in-Cell 3/4" Semi- Opaque	•	•	•	•		•	• ²	
Harmony Cell-in-Cell 3/4" Opaque	•	•	•	•			•	
Harmony Cell-in-Cell 1 1/4" Semi- Opaque	•	•	•	•		•	•	
Harmony Cell-in-Cell 1 1/4" Opaque	•	•	•	•			•	
Knox 3/4" Semi-Opaque	•	•	•	•	•	•	•	
Knox 3/4" Opaque	•	•	•	•	•		•	
Knox Cell-in-Cell 3/4" Semi- Opaque	•	•	•	•	•	•	•	
Knox Cell-in-Cell 3/4" Opaque	•	•	•	•	•		•	
Naturelle Cell-in-Cell 3/4" Semi- Opaque	•	•	•	•		•	• ²	
Naturelle Cell-in-Cell 3/4" Opaque	•	•	•	•			• ²	
Naturelle Cell-in-Cell 1 1/4" Semi- Opaque	•	•	•	•		•	•	
Naturelle Cell-in-Cell 1 1/4" Opaque	•	•	•	•			•	
Oceanside Cell-in-Cell 3/4" Semi- Opaque	•		•	•		•	• ¹	
Oceanside Cell-in-Cell 3/4" Opaque	•		•	•			• ¹	
Oceanside Cell-in-Cell 1 1/4" Semi- Opaque	•		•	•		•	• ¹	
Oceanside Cell-in-Cell 1 1/4" Opaque	•		•	•			• ¹	

For more information, see the Care & Cleaning Table Notes[™]

	Dusting	Hand-Held Vacuuming	Compressed Air	Hair Dryer (Cool Setting)	Spot-Cleaning	Ultrasonic Cleaning	Injection/Extraction Cleaning	Steaming
Reflections 3/4" Sheer	•	•	•	•	•	•	•	
Reflections 1 1/4" Sheer	•	•	•	•	•	•	•	
Sonora Cell-in-Cell 3/4" Semi- Opaque	•	•	•	•	•	•	•	
Sonora Cell-in-Cell 3/4" Opaque	•	•	•	•			•	
Sonora Cell-in-Cell 1 1/4" Semi- Opaque	•	•	•	•		•	•	
Sonora Cell-in-Cell 1 1/4" Opaque	•	•	•	•			•	
Composite Shutters								
All Products	•	•	•					
Contemporary Roman Shades								
All Sheer Fabrics	•		•	•		• ³	•	•
All Light-Filtering Fabrics	•	•	•	•	•	• ³	•	•
All Room-Darkening Fabrics	•	•	•	•	•		• ¹	•
Hardwood Shutters								
All Products	•	•	•					
Horizontal Shadings								
Aerial	•	•	•	•			• ¹	
Channel	•	•	•	•		• ³	•	
Essence	•	•	•	•			•	
Genesis	•	•	•	•			•	
Indulge	•	•	•	•		• ³	•	
Nera	•	•	•	•		• ³	•	
Nera Light Dimming	•	•	•	•			• ¹	
Open Sheer with Nera	•	•	•	•			•	
Pure	•	•	•	•		• ³	•	
Sona	•	•	•	•		• ³	•	
Sonora	•	•	•	•		• ³	•	
Summertide	•	•	•	•			•	
Fabric Covered Headrail					•			
Panel Track Collection								
All Roller Fabrics Except	•	•	•	•	•	•		
— Anderson	•	•	•	•	•			
— Selwyn	•	•	•	•	•			
— Seaton	•	•	•	•	•			
All Screen Fabrics	•	•	•	•	•			

For more information, see the Care & Cleaning Table Notes[™]

Care & Cleaning

	Dusting	Hand-Held Vacuuming	Compressed Air	Hair Dryer (Cool Setting)	Spot-Cleaning	Ultrasonic Cleaning	Injection/Extraction Cleaning	Steaming
Poly Shutters								
All Products	•	•	•		•			
Roller and Screen Shades								
All Roller Fabrics Except	•	•	•	•	•	•		
— Anderson	•	•	•	•	•			
— Selwyn	•	•	•	•	•			
— Seaton	•	•	•	•	•			
All Screen Fabrics	•	•	•	•	•			
Vertical Shadings								
All Vertical Shading Fabrics	•	•			•	•	•	
Vertical Blinds								
All Vertical Blind Fabrics	•	•	•			•	•	
Vinyl	•	•	•	•				
Wood Blinds								
All Products	•	•	•					

For more information, see the Care & Cleaning Table Notes^{oo}

	Dusting	Hand-Held Vacuuming	Compressed Air	Hair Dryer (Cool Setting)	Spot-Cleaning	Ultrasonic Cleaning	Injection/Extraction Cleaning	Steaming
Woven Woods								
Abingdon	•	•	•	•				
Calumet	•	•	•	•				
Campbell	•	•	•	•	•			
Greenport	•	•	•	•				
Hanover	•	•	•	•				
Kankura	•	•	•	•				
Macomb	•	•	•	•				
Malden	•	•	•	•				
Mason	•	•	•	•	•			
Medford	•	•	•	•				
Mystic	•	•	•	•	•			
Natchez	•	•	•	•				
Paia	•	•	•	•				
Reston	•	•	•	•				
Samoan	•	•	•	•	•			
Seaward	•	•	•	•				
South Haven	•	•	•	•				
Taunton	•	•	•	•				
Turnbridge	•	•	•	•				
Vale	•	•	•	•				
Wayland	•	•	•	•				

For more information, see the Care & Cleaning Table Notes^{oo}

Care & Cleaning Table Notes

¹ Dry method only.

² No chemicals are to be used for wet method (water only).

³ Do not immerse headrail in solution.

Notes

- Consult the individual product section or Customer Support for more information.

Adjusting for Skew

- Banded Shades
- Roller & Screen Shades
- Horizontal Shadings
- Contemporary Roman

During the initial installation, it is important for the installer to check and adjust the shade for skew. Skewing may occur throughout the life of the shade with normal operation, even after the initial skew adjustments.

Fabric shifting may occur for a number of reasons, such as the home settling, an out of square window, unlevel installation, or the shade fabric relaxing over time. Skew adjustments may need to take place from time to time.

To reduce the risk of skew after installation, be sure the shade is not being installed unlevel. Skewing occurs when the shade transitions from the down position to the up position. You should check for skew when raising the shade from time to time. If needed, use the Skew Adjustment procedures provided in the Installation, Operation and Care Guide for your product.

Because We Care

At LEVOLOR® PREMIER™, dedication to child safety serves as the inspiration behind the development of new and improved technologies. We are always working to enhance the safety of our products and to educate our consumers on the importance of child safety. One of our top priorities has been designing products that not only beautify your windows and home décor, but also incorporate features for enhanced child and pet safety.

The valuable safety systems LEVOLOR PREMIER offers are second nature to dealers but are sometimes unknown or not clearly understood by consumers. Helping your customers understand the safety features available on our products is an important part of the selling process. As a LEVOLOR PREMIER dealer, it is critical that you follow the LEVOLOR PREMIER guidelines on the use of our child safety devices. Make sure to discuss this topic with the homeowner at the point of sale and also at the time of installation. There are two primary steps you can take with customers to help instill the importance of child safety in window coverings. Reviewing these items may seem like common sense, but it is a value-added service to your customers.

1. Educate customers on reducing potential risks. Remember to discuss topics such as exposed window covering cords, placing cribs or beds away from windows and even the dangers of the window itself.
2. Promote LEVOLOR PREMIER safety innovations to customers. Walk your customers through our many safety innovations so they will have the necessary information to make smart safety decisions.

Cordless — Cordless operating system eliminates pull cords; raises and lowers shades, shadings, or blinds with the touch of a finger.

Smart Shades Automation (Automation III) — Proprietary motorized wireless control system for operating a variety of LEVOLOR PREMIER window coverings.

Retractable Wand — Instead of a tassel cord, this system uses a wand.

Shutters — No cords.

Simple Cordless — Cordless lifting system that enhances safety.

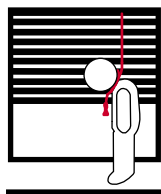
Simple Cordless with Tilt Smart Shades Automation — Combines the ease of the Simple Cordless system with the convenience of tilt smart shades automation, eliminating wands and tassels for a completely convenient operating experience.

Touch Control — Cordless motorized system operated with a wand.

Universal Cord Tensioner — All LEVOLOR PREMIER products with continuous cord loops or beaded cord loops also include a cord tensioner for safer operation. In accordance with the American National Standard for Safety of Corded Window Covering Products, the cord tensioner requires correct mounting for the product to operate properly. The cord tensioner should not be modified in any way.

Vertical Cellular — Cordless choice for sliding glass or French doors.

Wand — Features a single control that replaces the chain and cord on select LEVOLOR PREMIER Vertical Blinds. Cordless single wand control traverses Vertical Shadings and rotates the vanes.



WARNING

Window Blind Cord Can STRANGLE Your Child

- Children can strangle in the loop above the cord bead.
- Children can climb furniture to reach cords.
- Move crib and furniture away.
- Shorten cords to prevent reach.
- Keep cords separate — Twisted or knotted cords can create a loop.
- Keep all cords out of children's reach.

	Cordless Operation									Other Child Safety Features	
	Cordless System	Smart Shades Automation	Touch Control	Simple Cordless	Simple Cordless w/Smart Shades Automation	No Operating Cords	Specialty Hardware Systems¹	Retractable Wand	Wand Operation	Universal Cord Tensioner	Wand/Cord Operation
Alternative Wood Blinds	•			•	•				•²		
Banded Shades		•	•					•		•	
Cellular Shades	•	•					•	•		•	
Composite Shutters						•					
Contemporary Roman Shades											
— Stacking style	•	•					•³			•	
— Rolling style	•	•					•³	•		•	
Hardwood Shutters						•					
Horizontal Shadings	•	•	•					•		•	
Panel Track Collection		•							•		
Poly Shutters		•				•					
Roller Shades	•	•	•					•		•	
Screen Shades	•	•	•					•		•	
Vertical Blinds						•			•		
Vertical Shadings		•							•		•
Wood Blinds	•			•	•				•²		
Woven Wood Shades	•	•						•		•	

¹ Skylight or Vertical Cellular systems.

² Wand operation used to tilt the blind.

³ Non-operable specialty shapes.

Notes

- Not all options are available throughout the entire product line. Always refer to the specific product pages in this Reference Guide for further information.

Your Customers Can Feel the Difference

Wintertime Comfort

Your customers don't need to wait for a utility bill to enjoy the benefits of installing energy-efficient window coverings in their homes. They can feel the difference when they first lower their Cellular Cell-in-Cell shades or other LEVOLOR® PREMIER™ insulating window covering.

That's because in wintertime there's an immediate reduction in radiant heat loss to the cold window glass, and people feel warmer. Here's how this works:

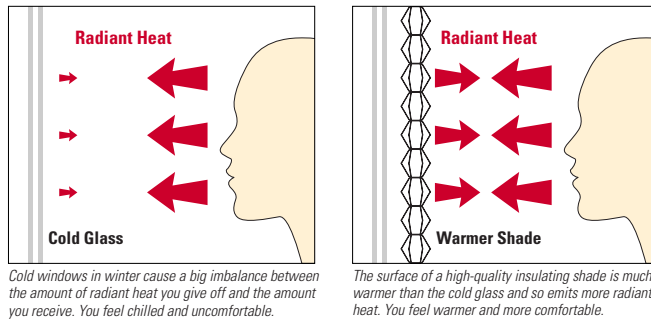
- All objects (including people) give off and receive radiant heat.
- When people give off significantly more radiant heat to cold glass than they get back, the net loss can feel like a chilly draft, even if the window is tightly sealed.
- But when their new shades are lowered, your customers' comfort level is suddenly increased. They can feel the difference.

When people lose enough radiant heat to feel uncomfortable, they will typically turn up the thermostat, which consumes energy resources and adds utility costs. But when a well-insulating shade minimizes radiant heat loss, people can often turn the thermostat down, saving both energy and money.

Summertime Comfort

Your customers can also feel the difference in a hot climate when an energy-efficient window covering blocks solar energy. It's like the difference between being in direct sunlight and under a shade tree.

Select LEVOLOR PREMIER products can cut solar heat gain through the window by up to 60%. And that can have a significant impact on both comfort and cooling costs.



Three Ways to Save

Energy-efficient LEVOLOR PREMIER products can help your customers save energy and money in three ways: insulation, solar heat control and daylighting.

Insulation

An insulating window covering works in both winter and summer to reduce heat transfer through the window. In winter, the window covering slows heat transfer out the window, keeping more warmth inside. In summer, it slows heat transfer into the home, reducing the need for cooling.

Insulation is typically more important in cold climates than hot. Temperature difference between inside and outside in winter can be 70° or more; in summer, the difference rarely exceeds 30°. Because the rate of heat transfer increases with temperature difference, it's more important to slow that rate down in the cold winter months.

Solar Heat Control

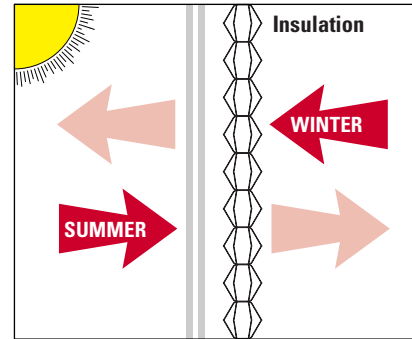
In summer (and year-round in hot climates), solar heat control becomes more important than insulation. Solar heat is brought into the home by direct or reflected sunlight. The sunlight becomes heat when it warms the air and the furnishings in its path. The warmed furnishings, in turn, give off heat to the room. To maintain comfort, the warmed room must be cooled, requiring more electricity (and more cost) than would be needed if the solar energy had been properly controlled by window coverings.

A big part of solar heat control is reflecting the incoming sunlight back out the window. For this reason, a white or light-colored streetside color is preferred. Darker colors tend to absorb the solar energy, and then radiate it as heat into the room.

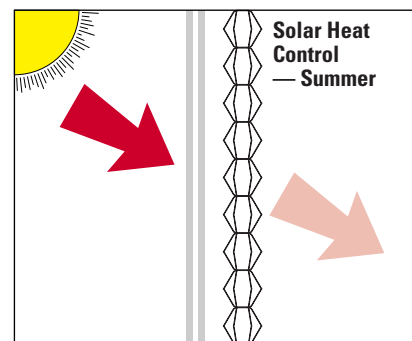
Solar heat gain is desirable in winter to help heat the home. Window coverings should be opened in winter when direct sunlight shines on south, east or west windows.

Daylighting

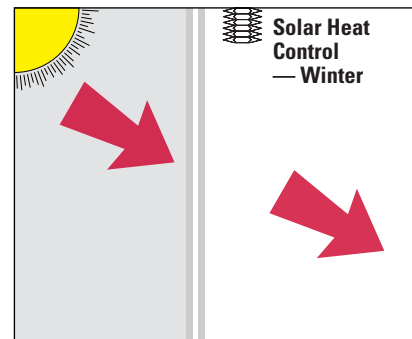
Another important energy-related function of window coverings is to diffuse incoming sunlight to soften it and bring it deeper into a room. This function is called "daylighting." In addition to reducing glare and improving visual comfort, daylighting can sometimes save energy by reducing the need for electrical lighting.



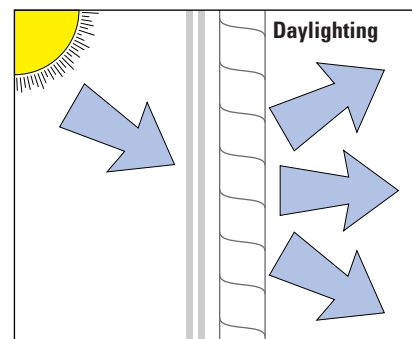
Insulating window treatments slow heat transfer into and out of the home, reducing the energy needed to warm the home in winter and cool it in summer.



Energy-efficient window coverings reduce the amount of solar energy that enters the home and becomes heat. Cooling energy and utility costs are reduced.



On sunny winter days, keep window treatments open to allow free solar energy to heat the home. Close window treatments at night to retain heat.



Sheer and translucent window treatments "condition" incoming sunlight, diffusing and dispersing it deeper into the room, reducing the need for artificial lighting.

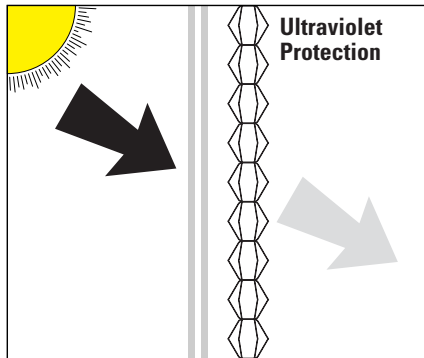
Controlling Other Types Of Energy

In addition to providing insulation, solar heat control and daylighting, window coverings can help control two other types of energy: ultraviolet light and sound.

Ultraviolet Protection

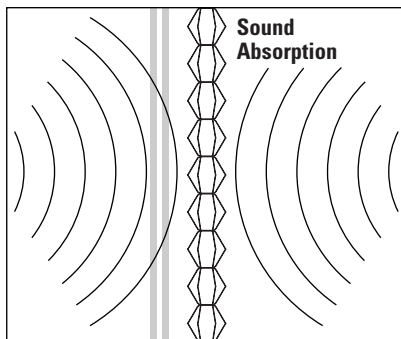
Ultraviolet (UV) light is an invisible part of sunlight. Because UV damages furnishings, it is sometimes called the “invisible enemy.” In time, it fades furniture, upholstery, wood floors, draperies, carpeting and artwork. UV exposure causes natural, undyed fabrics to turn yellow, weakening their fibers and making them look old and worn prematurely.

Window coverings can be very effective in blocking UV rays.



Sound Absorption

How efficiently a product absorbs sound energy can sometimes be part of your customers’ buying decisions. Soft window coverings can absorb up to 70% of sound energy, which helps quiet the room. Hard window coverings, on the other hand, reflect most sound, which helps keep out exterior noise but does not dampen interior sound.



Soft window coverings can absorb up to 70% of sound energy, helping to quiet the home environment.

Meeting Needs With The Right Products

Radiant heat loss. Solar heat gain. Heat transfer. Daylighting. UV protection. Sound absorption. How do you make sense of all these factors so that you can recommend the right energy-efficient LEVOLOR® PREMIER™ products to your customers?

Energy Efficiency Charts

We’ve done most of the work for you. On the following pages are Energy Efficiency Charts that provide star ratings for the five product attributes that relate to energy: insulation, solar heat control, daylighting, ultraviolet protection and sound absorption.

The star ratings compare the relative energy efficiency performance of products within the LEVOLOR PREMIER product line.

Why Star Ratings?

Consumers generally do not understand numerical energy efficiency ratings like solar heat gain coefficients (SHGC), R-values, U-factors and other technical performance ratings. The star ratings on the Energy Efficiency Charts, on the other hand, are easy to understand and communicate.

Operating Tips

To maximize energy efficiency, window coverings must be opened and closed at the correct times of day, which vary with the season and the direction the window faces. Important operating tips are explained in Operating Tips™. Methods to automate energy-efficient operation are also reviewed.

HOW TO USE THE ENERGY EFFICIENCY CHARTS

- 1 Find the correct chart for the window covering’s product grouping.
- 2 Review the star ratings for the attributes in which your customer is most interested. Be sure the customer understands that the ratings are intended to compare product performance within the LEVOLOR PREMIER product line.
- 3 When appropriate, adjust the star ratings based on product operation or color. Notes to this effect are listed under each product grouping.
- 4 Review the “additional notes” below the charts.

Insulation	★★★★★
Solar Heat Control	★★★★★
Daylighting	★
Ultraviolet Protection	★★★★★
Sound Absorption	★★★

Why Energy Efficiency Star Charts?

Much like the way hotels or restaurants are based on a rating up to 5 stars, LEVOLOR PREMIER uses the Energy Efficiency Star Chart for an easy-to-understand way to communicate star ratings between LEVOLOR PREMIER products. The more stars in a product attribute, the better the product’s performance is in that given category

Notes

- Star ratings based on testing or analysis of similar representative products in a product grouping.
- Testing is performed with product (and vanes, louvers, or slats, where applicable) fully closed — except daylighting, where vanes, louvers, or slats are open and applicable products are partly lowered top-down.
- When applicable, testing is performed with product inside mounted and fully recessed. Fully recessed inside mounting is best for energy efficiency.
- The low sound absorption ratings of hard window coverings means that the louvers, vanes, or slats reflect most of the sound; thus most exterior noise is reflected back toward the outside when the louvers, vanes, or slats are closed. This is also true to lesser degrees for Vertical Shadings room-darkening vanes, woven wood shades, roller shades, and screen shades.

Star Charts

Banded Shades

Banded Shades Light-Filtering Fabrics	Banded Shades Room-Darkening Fabrics
Insulation ★★½	Insulation ★★½
Solar Heat Control ★★★	Solar Heat Control ★★★
Daylighting ★	Daylighting ★
Ultraviolet Protection ★★★★★	Ultraviolet Protection ★★★★★
Sound Absorption ★★½	Sound Absorption ★★

Notes

- Rating for **Ultraviolet Protection** is based on closed vanes.

Cellular Shades

⅜" and ¾" Semi-Opaque Cellular Shade (Acadia and Dwell fabrics)	⅜" Opaque Cellular Shade	¾" Semi-Opaque Cellular Shade (Knox fabric)
Insulation ★★★½	Insulation ★★★★★½	Insulation ★★★★★
Solar Heat Control ★★	Solar Heat Control ★★★★★½	Solar Heat Control ★★★★★½
Daylighting ★★	Daylighting ★	Daylighting ★★
Ultraviolet Protection ★★★★★	Ultraviolet Protection ★★★★★	Ultraviolet Protection ★★★★★
Sound Absorption ★★★★★½	Sound Absorption ★★★★★	Sound Absorption ★★★★★

¾" Opaque Cellular Shade (Acadia and Dwell fabrics)	¾" Opaque Cellular Shade (Knox fabric)	Cell-in-Cell ¾" Semi-Opaque Cellular Shade
Insulation ★★★★★	Insulation ★★★★★	Insulation ★★★★★½
Solar Heat Control ★★★★★	Solar Heat Control ★★★★★	Solar Heat Control ★★★★★
Daylighting ★	Daylighting ★	Daylighting ★½
Ultraviolet Protection ★★★★★	Ultraviolet Protection ★★★★★	Ultraviolet Protection ★★★★★
Sound Absorption ★★	Sound Absorption ★★½	Sound Absorption ★★★★★

Cell-in-Cell ¾" and 1¼" Opaque Cellular Shade	Cell-in-Cell 1¼" Semi-Opaque Cellular Shade	¾" and 1¼" Sheer Cellular Shade
Insulation ★★★★★	Insulation ★★★★★	Insulation ★
Solar Heat Control ★★★★★	Solar Heat Control ★★★★★½	Solar Heat Control ★
Daylighting ★	Daylighting ★½	Daylighting ★★★★★
Ultraviolet Protection ★★★★★	Ultraviolet Protection ★★★★★	Ultraviolet Protection ★★★
Sound Absorption ★★★★★½	Sound Absorption ★★★★★	Sound Absorption ★

Notes

- Add 1½ stars to **Daylighting** for top-down, top-down/bottom-up, or Day/Night operation.
- Add 1 star to **Daylighting** for light-filtering white or off-white room-side colors.

Energy Efficiency – Star Charts

Contemporary Roman Shades

Contemporary Roman Shades Sheer Fabrics	
Insulation	★★★
Solar Heat Control	★★½
Daylighting	★★★
Ultraviolet Protection	★★★★★
Sound Absorption	★★½

Contemporary Roman Shades Light-Filtering Fabrics	
Insulation	★★★
Solar Heat Control	★★½
Daylighting	★★
Ultraviolet Protection	★★★★★★
Sound Absorption	★★★

Contemporary Roman Shades Room-Darkening Fabrics	
Insulation	★★★★½
Solar Heat Control	★★★★½
Daylighting	★
Ultraviolet Protection	★★★★★★
Sound Absorption	★★★★

Notes

- Star ratings apply to both Rolling and Stacking products.
- Add 1½ stars to **Daylighting** for Top-Down/Bottom-Up operation.

Horizontal Blinds

Alternative Wood Blinds	
Insulation	★★½
Solar Heat Control	★★★
Daylighting	★★★
Ultraviolet Protection	★★★★★★
Sound Absorption	★

Wood Blinds	
Insulation	★★½
Solar Heat Control	★★★★½
Daylighting	★★★
Ultraviolet Protection	★★★★★★
Sound Absorption	★

Notes

- Subtract 2 stars from **Solar Heat Control** for dark colors.
- Subtract 1 star from **Daylighting** for dark colors.

Horizontal Shadings

Horizontal Shadings Light-Dimming Vanes	
Insulation	★★½
Solar Heat Control	★★★★
Daylighting	★★★★★★
Ultraviolet Protection	★★★★★★
Sound Absorption	★★

Horizontal Shadings Open Sheer Nera Fabric	
Insulation	★★½
Solar Heat Control	★★
Daylighting	★★★★★★
Ultraviolet Protection	★★½
Sound Absorption	★★½

Horizontal Shadings Dual Shade System	
Insulation	★★★★½
Solar Heat Control	★★★★½
Daylighting	★★★★★★
Ultraviolet Protection	★★★★★★
Sound Absorption	★★★★

Horizontal Shadings Translucent Vanes	
Insulation	★★½
Solar Heat Control	★★
Daylighting	★★★★★★
Ultraviolet Protection	★★★★★★
Sound Absorption	★★½

Notes

- Rating for **Ultraviolet Protection** with open vanes is 4 stars; Open Sheer with Nera fabric is 2 stars.

Energy Efficiency – Star Charts

Panel Track

Panel Track	
Insulation	★
Solar Heat Control	★★★★½
Daylighting	★★
Ultraviolet Protection	★★★★
Sound Absorption	★★

Notes

- Subtract 1½ stars from **Solar Heat Control** for dark fabric colors.

Roller Shades

Roller Shades	
Insulation	★★
Solar Heat Control	★★
Daylighting	★★★
Ultraviolet Protection	★★★★½
Sound Absorption	★★½

Notes

- Subtract 1½ stars from **Solar Heat Control** for dark fabric colors.

Screen Shades

Screen Shades	
Insulation	★
Solar Heat Control	★★
Daylighting	★★★
Ultraviolet Protection	★★★★½
Sound Absorption	★

Notes

- Subtract 1½ stars from **Solar Heat Control** for dark fabric colors.

Shutter Collection

Composite Shutters	
Insulation	★★★★★
Solar Heat Control	★★★★★
Daylighting	★★
Ultraviolet Protection	★★★★★
Sound Absorption	★

Hardwood Shutters	
Insulation	★★★★½
Solar Heat Control	★★★★½
Daylighting	★★
Ultraviolet Protection	★★★★★
Sound Absorption	★

Poly Shutters	
Insulation	★★★
Solar Heat Control	★★★★★
Daylighting	★★
Ultraviolet Protection	★★★★★
Sound Absorption	★★½

Notes

- Subtract 3 stars from **Solar Heat Control** for dark colors.
- Subtract 1 star from **Daylighting** for dark colors.

Energy Efficiency – Star Charts

Vertical Shadings

Vertical Shadings Light-Filtering Vanes	Vertical Shadings Room-Darkening Vanes
Insulation ★★½	Insulation ★★½
Solar Heat Control ★★★★★½	Solar Heat Control ★★★★★½
Daylighting ★★★★★	Daylighting ★★★★★
Ultraviolet Protection ★★★★★★	Ultraviolet Protection ★★★★★★
Sound Absorption ★★½	Sound Absorption ★½

Notes

- Rating for **Ultraviolet Protection** with open vanes is 3½ stars.

Woven Wood Shades

Woven Wood Shades No Liner	Woven Wood Shades with Room-Darkening Liner	Woven Wood Shades with Light-Filtering Liner
Insulation ★★	Insulation ★★½	Insulation ★★½
Solar Heat Control ★	Solar Heat Control ★★★★★	Solar Heat Control ★★
Daylighting ★½	Daylighting ★	Daylighting ★★
Ultraviolet Protection ★★★★★½	Ultraviolet Protection ★★★★★★	Ultraviolet Protection ★★★★★★
Sound Absorption ★	Sound Absorption ★★	Sound Absorption ★★

Notes

- Add 1½ stars to **Daylighting** for top-down/bottom-up operation.

Vertical Blinds

Vertical Blinds Fabric Vanes	Vertical Blinds Vinyl Vanes
Insulation ★½	Insulation ★
Solar Heat Control ★★★★★½	Solar Heat Control ★★★★★½
Daylighting ★★	Daylighting ★★
Ultraviolet Protection ★★★★★	Ultraviolet Protection ★★★★★
Sound Absorption ★★½	Sound Absorption ★

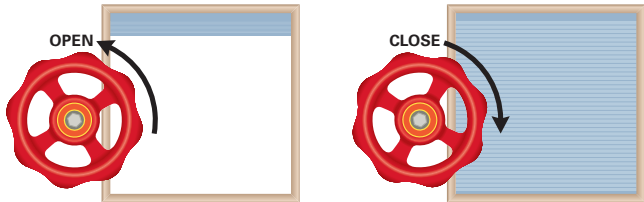
Notes

- Subtract 2½ stars from **Solar Heat Control** for dark colors.

Operating Tips

Energy Valves

Windows without window coverings are like valves that are always open. The only control over heat transfer (U-factor), solar energy (SHGC), and light is the fixed control of the window glass. When we add window coverings to windows, we are adding “valves.” But, unlike most valves that control the flow of liquid or gas, window coverings actually control the flow of energy. Open the valve, and energy comes in (or goes out) through the window. Close the valve, and energy stays out (or stays in). This valve-like action of window coverings provides flexible control of energy flow in all seasons. Without this control, comfort in the home depends largely on mechanical heating and cooling, as well as electrical lighting—all of which require energy from utility companies. By using window coverings to control energy flow, we reduce the need to purchase man-made energy while saving energy resources and reducing greenhouse gas emissions.



Saving Heating Energy

In a cool climate (or winter), energy flow through windows is a two-way street: Solar energy enters and heat energy exits. The general rule in winter is to open the window covering when the amount of solar energy entering through the uncovered window is greater than the amount of heat energy being saved by the lowered shade. This usually means opening the “valve” whenever bright, direct sunlight shines on the window. Keep in mind that window coverings should always be closed at night in winter, as well as on cloudy days.

Saving Cooling Energy

In a warm climate (or summer), energy through windows typically flows in one direction only—into the room. Both solar energy and heat energy flow from the outside in, increasing the temperature in the room or air conditioning, which increases the load on the cooling system. For optimal energy efficiency in summer, window coverings should be closed all the time. However, LEVOLOR® PREMIER™ realizes this schedule might sacrifice the reasons to have windows in the first place: light, view, and ventilation. A reasonable compromise is to close the “valve” when direct sunlight shines on the window—just the opposite of what you want to do in winter.

Timetables

To help maximize energy efficiency, we have developed Energy Efficiency Timetables that provide guidelines for operating your window coverings. Basically, they show the hours to open window coverings to allow solar heat into the home in cold months, and the hours to close window coverings to block solar heat in warm months. These times vary by latitude, so we have created timetables for 12 continental United States latitudes plus Hawaii. The times also vary by month and the direction the windows face. The continental U.S. timetables include hot, moderate and cold charts for each latitude, based on December and January low temperatures. There are also “Pacific Coastal Climate” charts for latitudes 32° to 48°. Use the latitude chart most applicable for your particular climate conditions. The times shown on all the timetables are meant to be guidelines only. Modify them as needed for specific climate and weather conditions. For example, January days in Denver vary from cold and frigid to warm and balmy. Window covering operation needs to be adjusted appropriately — let solar energy in if it’s a cold day, keep solar energy out if it’s a warm one.

Automation

Automated operation of motorized window coverings makes it easier to realize energy efficiency benefits while allowing natural daylight into your space. For example, creating specific Scenes with the LEVOLOR PREMIER App based on the Energy Efficiency Timetables can help increase energy savings.

40° Latitude – Cold Dec-Jan Lows in the Teens or Lower	Energy Efficiency Timetable			
	Hours Window Coverings Are Open (Raised or Stacked)			
	North Facing	South Facing	East Facing	West Facing
January	Closed All Day	8:00 a.m. – 4:00 p.m.	8:00 – 11:00 a.m.	1:00 – 4:00 p.m.
February	Closed All Day	8:00 a.m. – 4:00 p.m.	7:00 – 11:00 a.m.	1:00 – 5:00 p.m.
March	Closed All Day	8:00 a.m. – 4:00 p.m.	7:00 a.m. – 12:00 p.m.	12:00 – 5:00 p.m.
April	Closed All Day	8:00 a.m. – 4:00 p.m.	6:00 a.m. – 12:00 p.m.	12:00 – 6:00 p.m.
May	Closed All Day	8:00 a.m. – 4:00 p.m.	6:00 – 10:00 a.m.	4:00 – 6:00 p.m.
June	12:00 – 7:00 p.m.	7:00 – 11:00 a.m.	6:00 – 9:00 a.m.	8:00 a.m. – 12:00 p.m.
July	8:00 a.m. – 1:00 p.m.	6:00 – 10:00 a.m.	12:00 – 6:00 p.m.	7:00 a.m. – 12:00 p.m.
August	8:00 a.m. – 2:00 p.m.	6:00 – 10:00 a.m.	12:00 – 6:00 p.m.	7:00 a.m. – 12:00 p.m.
September	1:00 – 5:00 p.m.	8:00 a.m. – 12:00 p.m.	7:00 – 10:00 a.m.	9:00 a.m. – 1:00 p.m.
October	Closed All Day	8:00 a.m. – 5:00 p.m.	7:00 – 11:00 a.m.	2:00 – 5:00 p.m.
November	Closed All Day	8:00 a.m. – 4:00 p.m.	8:00 – 11:00 a.m.	1:00 – 4:00 p.m.
December	Closed All Day	8:00 a.m. – 4:00 p.m.	8:00 – 11:00 a.m.	1:00 – 4:00 p.m.

This is the Energy Efficiency Timetable for Denver, Colorado. Because December-January low temperatures are typically in the teens or lower, the “Cold” chart was chosen for Denver’s 40° latitude. Note that all times are “solar” times. With solar time, noon is the hour when the sun is highest in the sky, not necessarily when the clock reads 12:00 p.m.

Measuring Guidelines

Precision Pays

- LEVOLOR® PREMIER™ window fashions are custom fabricated according to the dimensions given on your order.
- Measurements must be exact to ensure a proper fit.
- The fabricator will not be held accountable for incorrect measurements.

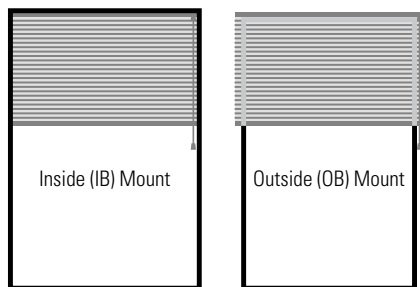
Measuring Dos and Don'ts

- Do always measure the exact window intended for the treatment. Each window opening is unique.
- Do always use a $\frac{3}{4}$ " or 1" steel tape measure.
- Do measure the width and write it down; then measure the height and write it down.
- Do measure to the nearest $\frac{1}{8}$ ".¹
- Do follow all product specific instructions in this guide.
- Don't assume a window is square.
- Don't take any deductions. Factory deductions will vary based on product and mounting selection. Refer to individual product specifications or contact Customer Support for more information.
- Standard measuring procedures apply to all products that fit rectangular windows unless otherwise specified.
- Careful attention must be given to each measurement; measurements that pertain to the mounting areas (headrails) are critical and must be accurate.
- Specialty shapes and applications require special measuring procedures. Some are outlined in these pages; however, when in doubt, contact Customer Support or have a professional installer measure for a trouble-free installation.

¹ For Composite Shutters, Hardwood Shutters, and Poly Shutters, measure to the nearest $\frac{1}{16}$ ".

Inside Mount or Outside Mount?

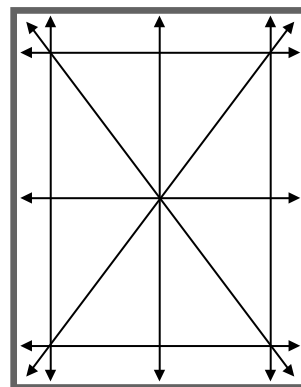
- Inside Mount (IB) — Shade fits within window frame.
- Outside Mount (OB) — Shade overlaps window opening.
- Be sure to add the desired overlap amount to each side and then add to the total ordered width when ordering an outside mount shade.
- End (EB) Mount — Shade is mounted at the top left and right side corners.



Standard Measuring Procedures

Inside Mount (IB)

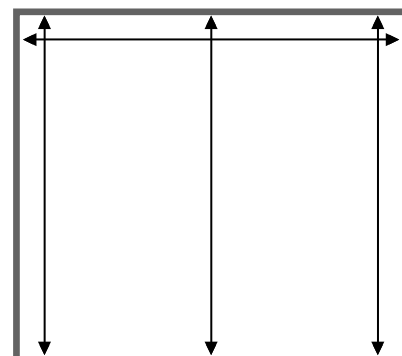
1. Be sure the window opening is deep enough to install the mounting bracket. Refer to the Mounting Chart™ for recessed mounting depths for each product.
2. Measure the width inside the window opening at the top, middle, and bottom. Order the narrowest measurement. Vertical applications require a top measurement only; middle and bottom measurements are not required.



Inside Mount

3. Measure the height inside the window opening at the left, right, and center.

4. Measure the window on the diagonal. If the two diagonal dimensions are not exactly the same, it may be necessary to specify an outside mount for optimal light control and privacy.

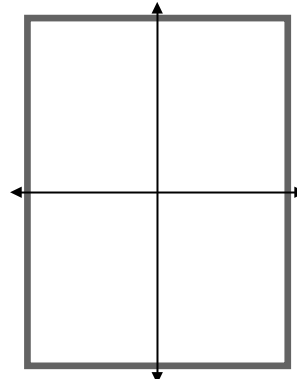


Inside Mount — Vertical Treatment

5. The ordered width should ensure a precise fit for the headrail and allow proper operation of the shade. If widths in the window vary, order the minimum width necessary to allow the shade to go up and down.
6. The ordered height should ensure clean operation at the base of the window, as well as provide maximum privacy and light control. If heights in the window vary, order the shortest height for vertical coverings and the longest height for horizontal coverings — except Horizontal Shadings and Banded Shades where the shortest height should be ordered to allow for full rotation of the bottom rail.

Outside Mount (OB)

1. Measure the desired width and height. To minimize light leakage, the shade should overlap the window opening at least 2" on each side and at the bottom. Refer to the Mounting Chart™ for recommended overlaps for each product.
2. When measuring the height, take into account the requirements for mounting the bracket attachment.

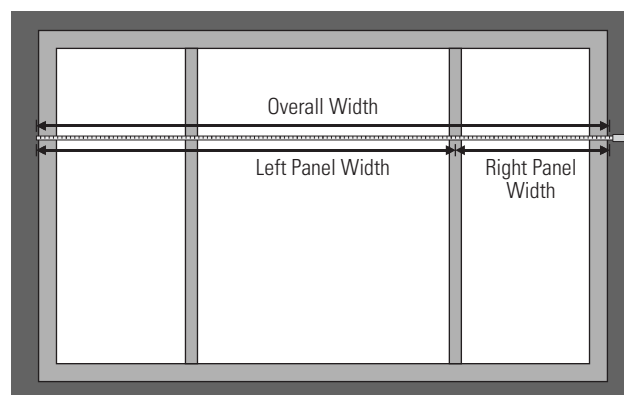


Outside Mount

Measuring Guidelines

How to Measure for Unequal Widths on Two- or Three-On-One Headrail

1. Measure the overall width. Use the narrowest measurement with inside mounts. With outside mounts, we recommend 3" overlap on all sides.
2. Without moving the tape, measure the location of the desired split (usually a vertical mullion).
3. **Enter all measurements on the order form** — overall width, left panel width, center panel width (if required), right panel width and height.
4. All panel widths combined must equal the overall width.
5. With Horizontal Shadings, the smaller panel must be be at least 1/3 the size of the larger panel.



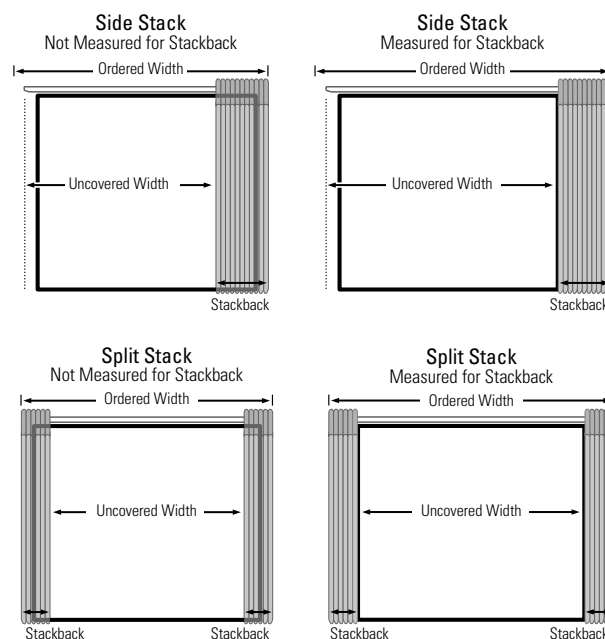
Stackback Measuring Procedures

For a window opening that is to be fully uncovered when a vertical treatment is drawn open (outside mounts only):

1. Measure the desired uncovered width, rounding your measurement down to the nearest $\frac{1}{8}$ ". With side stack units, include the desired amount of overlap for the side opposite the fabric stack in this measurement. Refer to product specifications for recommended overlaps, also taking into consideration trim or molding.
2. Using the stackback charts created for the product in each product section, locate the uncovered width (clear opening) measurement under split stack or side stack design.
3. Find the corresponding "stackback" for that range.
4. Add the stackback to the uncovered width to get the correct width to order.
5. After determining the correct width to order, confirm that there is enough room to outside mount the treatment on the opening at that width.

Notes

Measuring guidelines for shutters often vary from that of other products. See the Composite Shutters, Hardwood Shutters, and Poly Shutters sections for specific information.

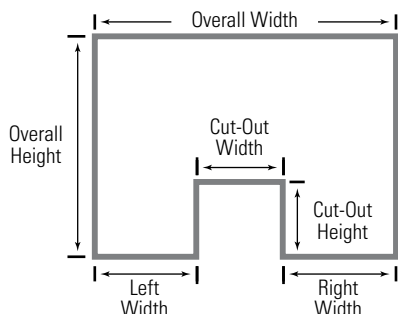


Measuring Guidelines

Cut-Outs

A cut-out is a shade with a small rectangular area removed from it to avoid obstructions, usually from one of the corners or from the bottom. Not all products allow cut-outs. Refer to the specific product section to verify availability.

Measure a cut-out like a standard rectangular shade, but also provide detailed measurements of the area to be removed. In addition, mark your measurements on a sketch of the cut-out to ensure accurate communication of the order.



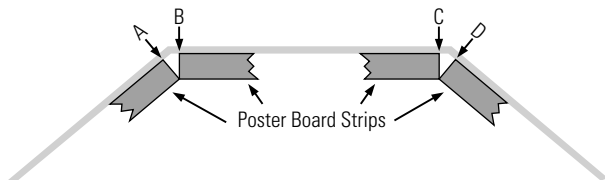
Bay Windows

With bay windows, location of the shade and the ordered width are marked and measured as illustrated below.

1. Determine the depth of the product you are mounting (3" for Vertical Shadings vanes) and use this for the width of your poster board.
2. Cut two pieces of poster board (depth determined from #1 above) wide by 12" long.

Notes

- If spacer blocks or extension brackets will be used for extra clearance on outside mounts, add the amount of extra clearance to the width dimension of the poster board before measuring.
3. Place the strips in the left angle first and bring them together until the front corners of the poster board meet. Mark points A and B.
 4. Repeat this step for the right side angle, marking points C and D.
 5. Measure between points B and C to obtain the width measurement of the center window treatment.
 6. Measure from point A outward to the desired width to obtain the width measurement of the left window treatment.
 7. Measure from point D outward to the desired width to obtain the width measurement of the right window treatment.



Notes

- Measuring guidelines for shutters often vary from that of other products. See the Composite Shutters, Hardwood Shutters, and Poly Shutters sections for specific information.

Corner Windows

Butt and Bypass Shades

When two shades butt against each other at a corner, as shown in the overhead views at right, one shade is the "butt" shade and the other is the "bypass" shade. Measure each shade separately using the procedures just described, and then **subtract headrail depth from the butt shade to obtain the proper ordering width**. With outside mounts, remember to allow for overlap on the sides and at the bottom. Refer to the Mounting Chart[®] for headrail depth for specific products.

Notes

- Cellular Shades and Contemporary Roman Rolling Style automated smart shades are right-side motor control only.

When not Using Butt and Bypass

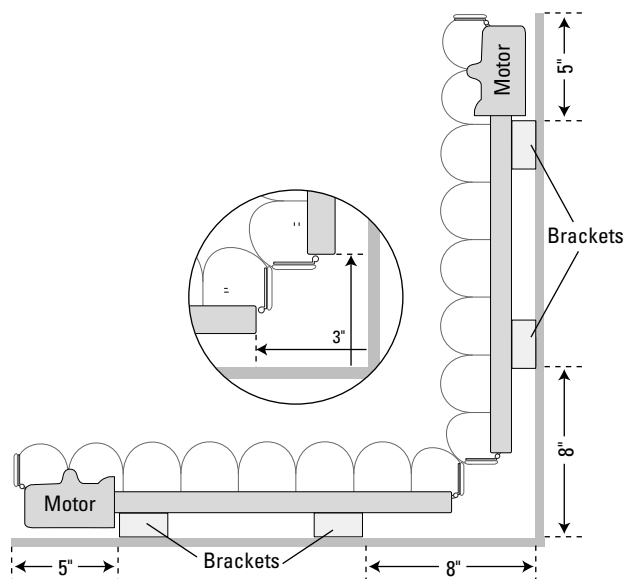
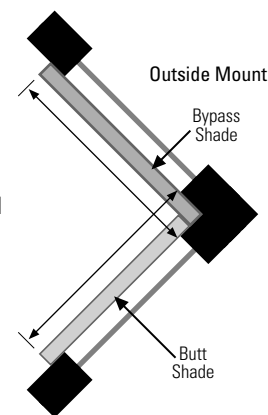
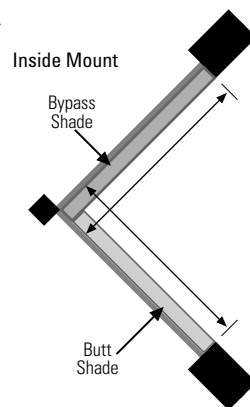
Some window treatments such as Vertical Shadings cannot use the butt and bypass method. They are then measured to meet in the corner.

1. Measure the width of both openings to the common corner.
2. Deduct the necessary depth of the treatment (deduct 3" for Vertical Shadings vanes) from the width of each measurement so they will meet in the corner but not overlap.

Notes

- If spacer blocks or extension brackets will be used for extra clearance on outside mounts, add the amount of extra clearance to the deduction.
3. Order the width less the deduction for each window.

Corner Shades
Measure Each Window Separately



Refer to the Installation, Operation, and Care instructions for detailed information and illustrations.

Measuring Guidelines

Skylights

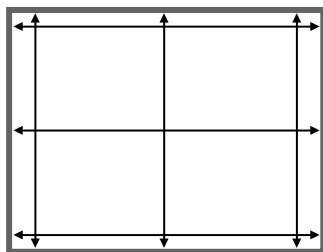
With inside-mounted Cellular Skylight shades:

1. Measure the width and height inside the window opening in at least three locations each. If the window opening is longer than 96", measure the width every 48".
2. Order the narrowest width and the shortest height.
3. Round your inside mount measurements up to the nearest $\frac{1}{8}$ ", not down as with other inside mounts.

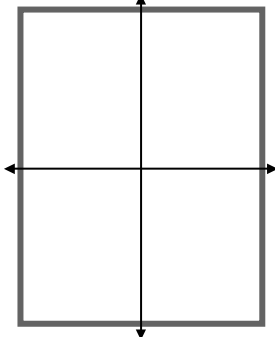
Notes

With Cellular Skylight shades, factory deductions take into account application of light gap strip (rail seal) to the outside of the rails.

Inside Mount



Outside Mount



With outside-mounted Cellular Skylight shades:

1. Measure the desired width and height. To minimize light leakage, the shade should overlap the window opening at least 2" per side.
2. Along the width sides, there must be at least $1\frac{3}{4}$ " flat surface for proper bracket attachment.

Consult the application's Product Specifications page for mounting requirements.

Notes

- Shutters are not recommended for skylight installations.

Template Preparation

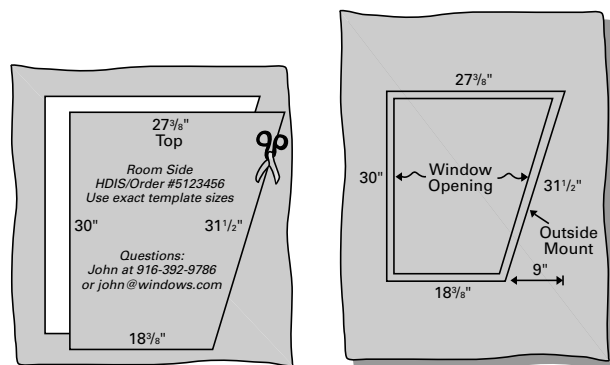
Nine Steps To An Accurate Template

1. Tape paper over the window opening, allowing plenty of overlap. Use paper that has never been folded; a template can have no folds or creases. Templates should only be made using Kraft or butcher paper.
2. Draw an exact outline of the window opening by carefully tracing over the inside edge of the window frame with a fine tip pen or marker.
3. Remove the paper from the window opening. If the shade is an outside mount, add the desired amount of overlap to the window outline and draw a second outline around it to match the shape of the finished shade.
4. Mark the shade dimensions on the template. Check that the template dimensions match your measurements of the actual window opening. It is easiest to verify by cutting out the template and repositioning in the window opening.
5. Identify the template and its orientation. Write the customer's name on the template, and mark the "ROOM SIDE" and "TOP".
6. Write the fabrication reference number on the template. Include DirectConnect® quote if applicable.
7. Include contact information in case fabrication has a question.

Notes

- Measuring guidelines for shutters often vary from that of other products. See the Composite Shutters, Hardwood Shutters, and Poly Shutters sections for specific information.
- Select specialty shapes are offered without a template for Horizontal Shadings. See the specialty shapes product specifications page in the Horizontal Shadings section for measuring guidelines.

8. Unless noted on the template, Customer Support will hold the order to confirm which dimension to use if the order in the system does not match the template.
9. Roll up the template and place it in a mailing tube to include with the order. DO NOT FOLD THE TEMPLATE. Prior to shipping, confirm the correct destination with Customer Support.



Requirement

- Template must be cut out in the exact shape of the window opening and tested in the window for correct fit. If the template arrives to fabrication without being cut out, it will be returned.

Templates Make the Difference

Templates are required with most specialty shape orders. Select specialty shapes are offered without a template for Horizontal Shadings.

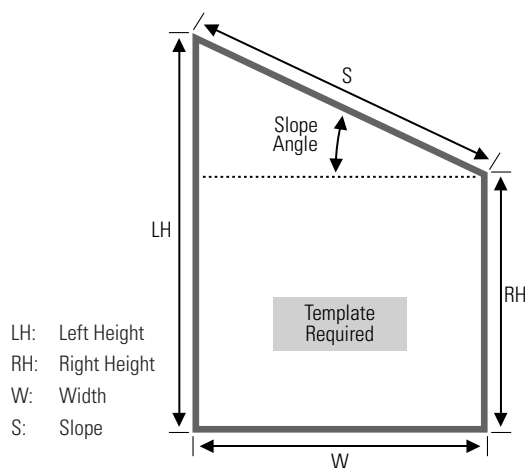
Notes

- One template is required for each window.

Angular and Triangular Windows

Either the top or bottom of the shade is sloped or angled.

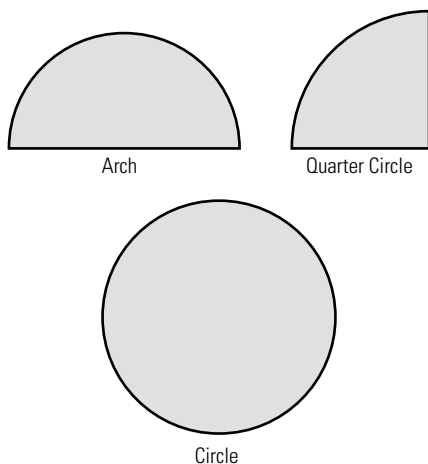
1. Measure all sides to ensure accurate fabrication.
2. Measure the inside of the window opening for inside mount (IB).
3. For outside mount, add the desired amount of overlap.
4. Slope angle must be measured in degrees using a protractor.
5. Record all measurements on the template you create for the shade.
6. Use the tallest height and widest width measurements when pricing the shade, unless otherwise specified.



Measuring Guidelines

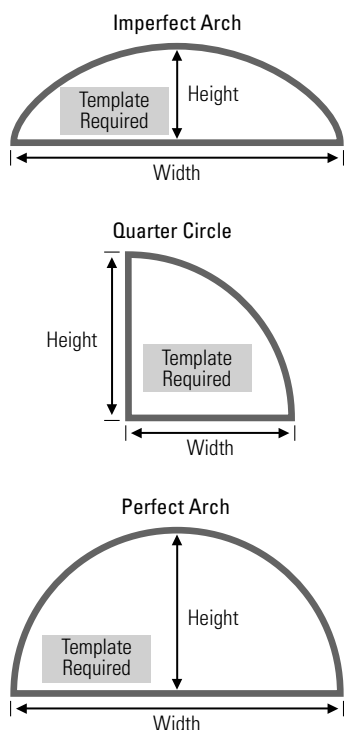
Arch, Circle, and Quarter Circle Windows

1. For inside mount, measure the exact width and height inside the window opening.
2. For outside mount, measure the desired width and height.
3. Measure the height at its tallest point.



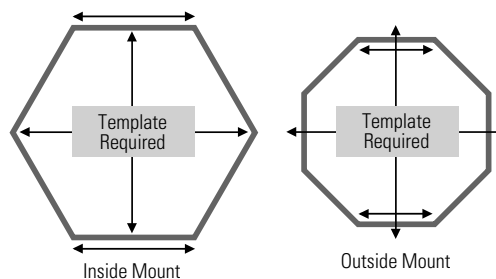
Check Your Math

- With perfect quarter circles, height will equal width. With perfect arches, height will equal one-half the width.
- With imperfect arches or eyebrows, exact height/width relationships do not occur, so extra care must be taken to ensure a good fit (see below).
- Imperfect arches have a minimum height limitation. Generally, height should not be less than 30% of the overall width.



Hexagons and Octagons

1. Measure the window height and width appropriately for an inside or outside mount.
2. Measure the width at the shade's widest point.
3. Measure and indicate top rail width and bottom rail width.



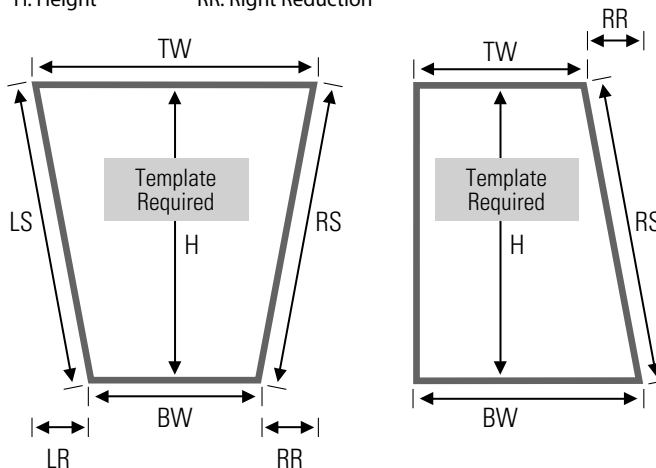
Trapezoids

1. Measure the window height, the top and bottom widths, and the length of the sloped side(s).
2. Measure what the width reduction of the shorter rail will be on each side (see below). The maximum differential is 9" per side.
3. Record all measurements on your template.

Notes

- The maximum rail differential varies by product. Refer to the specific product sections for maximum reductions.

KEY:
 TW: Top Width
 BW: Bottom Width
 H: Height
 RS: Right Side
 LS: Left Side
 LR: Left Reduction
 RR: Right Reduction



Notes

- Templates become the property of LEVOLOR® PREMIER™ and are not returned unless (i) specifically requested by the consumer; and (ii) such return is, in the discretion of LEVOLOR PREMIER, practical.
- Measuring guidelines for shutters often vary from that of other products. See the Composite Shutters, Hardwood Shutters, and Poly Shutters sections for specific information.
- Select specialty shapes are offered without a template for Horizontal Shadings. See the specialty shapes product specifications page in the Horizontal Shadings section for measuring guidelines.

Finished Dimensions Tolerances

- The chart and notes at the right is a finished dimensions example that shows the tolerances. Refer to the Product Specifications pages in each product section for their specific tolerances.
- The notation $+0/-1/8"$ means that the finished width or height may be decreased by up to $1/8"$, but may not be increased beyond the deduction shown in the Finished Dimensions chart.
 - The notation $-0/+1/4"$ means that the finished width or height may be increased by up to $1/4"$, but may not be decreased beyond the deduction shown in the Finished Dimensions chart.
 - The notation $\pm 1/16"$ means that the finished width or height may be increased or decreased by up to $1/16"$ beyond the deduction shown in the Finished Dimensions chart.

Finished Dimensions	
Inside Mount (IB)	
Headrail width	$-1/4"$
Outside Mount (OB)	
Headrail width	ordered width
Shading height	$+0"$ to $-1/4"$
Fabric width	$-3/4"$
End Mount (EB)	
Headrail width	$-11/16"$

- Notes
- All allowances are taken from ordered dimensions.
 - Blind width tolerance $+0/-1/8"$.
 - Blind height tolerance $-0/+1/4"$.
 - Valance width tolerance $\pm 1/16"$.

Mounting Chart

Alternative Wood Blinds

	Minimum Inside Mount (IB) Depth	Minimum IB Fully Recessed Mounting Depth	Recommended Outside Mount (OB) Overlap Per Side	Minimum OB Flat Mounting Surface Height	Maximum End (EB) Mount Width	Headrail Depth	Headrail Height
2" Emotions and Wood Grain Blinds	1 ¹ / ₈ "	3 ⁵ / ₈ "	1 ¹ / ₂ "	1 ³ / ₄ "	48"	2 ¹ / ₄ "	1 ¹ / ₂ "
2" Impressions Blinds	1 ¹ / ₈ "	3 ¹ / ₂ "	1 ¹ / ₂ "	1 ³ / ₄ "	48"	2 ¹ / ₄ "	1 ¹ / ₂ "
2 ¹ / ₂ " Emotions Blinds	1 ¹ / ₂ "	4" ⁶	1 ¹ / ₂ "	1 ³ / ₄ "	48"	2 ¹ / ₄ "	1 ¹ / ₂ "

Banded Shades

	Minimum Inside Mount (IB) Depth	Minimum IB Fully Recessed Mounting Depth	Recommended Outside Mount (OB) Overlap Per Side	Minimum OB Flat Mounting Surface Height	Maximum End (EB) Mount Width	Headrail Depth	Headrail Height
Bracket Profile Top Treatment, 1 ¹ / ₂ ", M	2 ³ / ₈ "	2 ³ / ₈ " ²	2"	1 ³ / ₄ "	N/A	2 ³ / ₄ "	1"
Bracket Profile Top Treatment, 2", L	2 ³ / ₈ "	2 ³ / ₈ " ²	2"	1 ³ / ₄ "	N/A	3 ¹ / ₂ "	4 ³ / ₄ "
Banded Cassette (Clutch Control, Retractable Wand, Smart Shades Automation, Touch Control ¹)	1 ⁵ / ₈ "	4"	2"	4"	N/A	4 ¹ / ₁₆ "	4 ¹ / ₄ "
Banded Cassette with Attached Battery Wand (Smart Shades Automation, Touch Control)	2 ¹ / ₄ "	4 ⁵ / ₈ "	2"	4"	N/A	4 ¹ / ₁₆ "	4 ¹ / ₄ "
Banded Cassette with Attached Rechargeable Battery Wand (Smart Shades Automation, Touch Control)	2 ¹ / ₄ "	5 ¹ / ₁₆ "	2"	2 ¹ / ₂ "	N/A	4 ¹ / ₁₆ "	4 ¹ / ₄ "

¹ With satellite battery pack, satellite-mounted rechargeable battery wand, Attached Rechargeable Battery (Smart Shades Automation only) or 18V DC Power Supply.

² Fully recessed depths vary with the diameter of the fabric roll when the shade is fully raised.

Mounting Chart

Cellular Shades

	Minimum Inside Mount (IB) Depth	Minimum IB Fully Recessed Mounting Depth	Recommended Outside Mount (OB) Overlap Per Side	Minimum OB Flat Mounting Surface Height	Maximum End (EB) Mount Width	Headrail Depth	Headrail Height
Retractable Wand $\frac{3}{8}$ ", $\frac{3}{4}$ "	$\frac{1}{2}$ "	$2\frac{1}{4}$ "	2"	$1\frac{1}{4}$ "	72"	$2\frac{1}{4}$ "	$1\frac{3}{8}$ "
Retractable Wand $1\frac{1}{4}$ "	$\frac{1}{2}$ "	$3\frac{1}{8}$ "	2"	$1\frac{1}{4}$ "	72"	3"	$1\frac{3}{8}$ "
Clutch Control $\frac{3}{8}$ ", $\frac{3}{4}$ "	$\frac{1}{2}$ "	$2\frac{1}{4}$ "	2"	$1\frac{1}{4}$ "	72"	$2\frac{1}{4}$ "	$1\frac{3}{8}$ "
Clutch Control $1\frac{1}{4}$ "	$\frac{1}{2}$ "	$3\frac{1}{8}$ "	2"	$1\frac{1}{4}$ "	72"	3"	$1\frac{3}{8}$ "
Cordless $\frac{3}{8}$ ", $\frac{3}{4}$ "	$\frac{1}{2}$ "	$2\frac{1}{4}$ "	2"	$1\frac{1}{4}$ "	72"	$2\frac{1}{4}$ "	$1\frac{3}{8}$ "
Cordless $1\frac{1}{4}$ "	$\frac{1}{2}$ "	$3\frac{1}{8}$ "	2"	$1\frac{1}{4}$ "	72"	3"	$1\frac{3}{8}$ "
Smart Shades Automation $\frac{3}{8}$ ", $\frac{3}{4}$ " (Low Mount)	1" ²	$2\frac{5}{8}$ " ²	2"	$1\frac{1}{4}$ "	72"	$2\frac{1}{4}$ "	$1\frac{3}{8}$ "
Smart Shades Automation $1\frac{1}{4}$ " (Low Mount)	1" ²	$3\frac{3}{8}$ " ²	2"	$1\frac{1}{4}$ "	72"	3"	$1\frac{3}{8}$ "
Smart Shades Automation $\frac{3}{8}$ ", $\frac{3}{4}$ " (High Mount)	1" ²	$2\frac{3}{4}$ " ²	2"	$1\frac{1}{4}$ "	72"	$2\frac{1}{4}$ "	$1\frac{3}{8}$ "
Smart Shades Automation $1\frac{1}{4}$ " (High Mount)	1" ²	$3\frac{1}{2}$ " ²	2"	$1\frac{1}{4}$ "	72"	3"	$1\frac{3}{8}$ "
Smart Shades Automation $\frac{3}{8}$ ", $\frac{3}{4}$ " (headrail-mounted rechargeable battery wand)	$1\frac{1}{4}$ "	$3\frac{1}{8}$ "	2"	$1\frac{1}{4}$ "	72"	$2\frac{1}{4}$ "	$1\frac{3}{8}$ "
Smart Shades Automation $1\frac{1}{4}$ " (headrail-mounted rechargeable battery wand)	$1\frac{1}{4}$ "	$3\frac{3}{4}$ "	2"	$1\frac{1}{4}$ "	72"	3"	$1\frac{3}{8}$ "
Skylight Manual $\frac{3}{8}$ ", $\frac{3}{4}$ "	2"	$2\frac{1}{2}$ "	3"	$1\frac{3}{4}$ "	N/A	$2\frac{1}{2}$ "	$2\frac{1}{4}$ "
Skylight with Smart Shades Automation $\frac{3}{8}$ ", $\frac{3}{4}$ "							
— Shades narrower than 38" in width	4"	$4\frac{1}{2}$ "	3"	$1\frac{3}{4}$ "	N/A	$2\frac{1}{2}$ "	$2\frac{1}{4}$ "
— Shades 38" or wider in width	2"	$2\frac{1}{2}$ "	3"	$1\frac{3}{4}$ "	N/A	$2\frac{1}{2}$ "	$2\frac{1}{4}$ "
Side Lights	● ¹	● ¹	2"	● ¹	N/A	● ¹	● ¹
Vertical Cellular (Manual)	$\frac{1}{2}$ "	● ¹	3" – 6"	$\frac{5}{8}$ "	N/A	3"	$1\frac{5}{8}$ "
Vertical Cellular (Smart Shades Automation)	$\frac{1}{2}$ "	● ¹	3" – 6"	$\frac{5}{8}$ "	N/A	$3\frac{1}{4}$ "	$2\frac{5}{8}$ "
Arch Shade System	● ¹	● ¹	N/A	N/A	36"	● ¹	● ¹
Arches $\frac{3}{8}$ "	● ¹	● ¹	N/A	N/A	N/A	$1\frac{1}{4}$ "	$\frac{1}{2}$ "
Arches $\frac{3}{4}$ "	● ¹	● ¹	N/A	N/A	N/A	2"	$\frac{1}{2}$ "
Arches $1\frac{1}{4}$ "	$1\frac{1}{2}$ "	3"	N/A	N/A	N/A	3"	$\frac{1}{2}$ "
Angles $\frac{3}{8}$ "	1"	$1\frac{5}{8}$ "	N/A	N/A	N/A	$1\frac{5}{8}$ "	$\frac{1}{2}$ "
Angles $\frac{3}{4}$ "	$1\frac{1}{4}$ "	$2\frac{3}{8}$ "	N/A	N/A	N/A	$2\frac{3}{8}$ "	$\frac{1}{2}$ "
Angles $1\frac{1}{4}$ "	$1\frac{1}{2}$ "	3"	N/A	N/A	N/A	3"	$\frac{1}{2}$ "
Specialty Shapes	● ¹	● ¹	N/A	N/A	N/A	● ¹	● ¹

¹ Values vary. Refer to individual product specifications for detailed information.

² Without an attached battery wand, inside mounting depths are the same as the corresponding pleat size for Clutch Control.

Contemporary Roman Shades

	Minimum Inside Mount (IB) Depth	Minimum IB Fully Recessed Mounting Depth	Recommended Outside Mount (OB) Overlap Per Side	Minimum OB Flat Mounting Surface Height	Maximum End (EB) Mount Width	Headrail Depth	Headrail Height
Rolling Cordless, Retractable Wand, and Clutch Control Headrails	1"	4"	4"	1"	48"	4"	$\frac{3}{16}$ "
Rolling Smart Shades Automation	● ¹	● ¹	4"	1"	48"	● ¹	$\frac{3}{16}$ "
Stacking Cordless, Retractable Cord, and Clutch Control Headrails	$1\frac{1}{4}$ "	3"	3"	1"	48"	$2\frac{1}{8}$ "	$1\frac{3}{4}$ "
Stacking Smart Shades Automation	● ¹	● ¹	3"	1"	48"	● ¹	$1\frac{3}{4}$ "

¹ Values vary. Refer to individual product specifications for detailed information.

Mounting Chart

Panel Track

	Minimum Inside Mount (IB) Depth	Minimum IB Fully Recessed Mounting Depth	Recommended Outside Mount (OB) Overlap Per Side	Minimum OB Flat Mounting Surface Height	Maximum End (EB) Mount Width	Headrail Depth	Headrail Height
Manual and Smart Shades Automation headrails	2"	● ¹	3"	2"	N/A	2 ¹ / ₂ "	3 ⁴ / ₄ "
Large Cassette 2.0 (Manual and Smart Shades Automation)	1 ¹ / ₄ "	4 ¹ / ₁₆ "	3"	2 ¹ / ₂ "	N/A	4 ¹ / ₁₆ "	4 ¹ / ₄ "

¹ Values vary. Refer to individual product specifications for detailed information.

Roller Shades & Screen Shades

	Minimum Inside Mount (IB) Depth	Minimum IB Fully Recessed Mounting Depth	Recommended Outside Mount (OB) Overlap Per Side	Minimum OB Flat Mounting Surface Height	Maximum End (EB) Mount Width	Headrail Depth	Headrail Height
Clutch Control, Smart Shades Automation - M	2"	2"	2"	2 ¹ / ₈ "	90"	N/A	N/A
Clutch Control, Smart Shades Automation - L	2 ⁷ / ₈ "	2 ⁷ / ₈ "	2"	3"	156" ²	N/A	N/A
Small Cassette 2.0 (Clutch Control, Smart Shades Automation ¹ , Touch Control ¹)	1 ¹ / ₄ "	3 ⁹ / ₁₆ "	2"	2 ¹ / ₂ "	N/A	3 ⁹ / ₁₆ "	3 ¹ / ₂ "
Small Cassette 2.0 with Attached Battery Wand (Smart Shades Automation, Touch Control)	1 ⁷ / ₈ "	4 ³ / ₁₆ "	2"	2 ¹ / ₂ "	N/A	3 ⁹ / ₁₆ "	3 ¹ / ₂ "
Small Cassette 2.0 with Attached Rechargeable Battery Wand (Smart Shades Automation, Touch Control)	2 ¹ / ₄ "	4 ⁹ / ₁₆ "	2"	2 ¹ / ₂ "	N/A	3 ⁹ / ₁₆ "	3 ¹ / ₂ "
Large Cassette 2.0 (Clutch Control, Cordless, Retractable Cord, Smart Shades Automation ¹ , Touch Control ¹)	1 ¹ / ₄ "	4 ¹ / ₁₆ "	2"	2 ¹ / ₂ "	N/A	4 ¹ / ₁₆ "	4 ¹ / ₄ "
Large Cassette 2.0 with Attached Battery Wand (Smart Shades Automation, Touch Control)	1 ⁷ / ₈ "	4 ¹¹ / ₁₆ "	2"	2 ¹ / ₂ "	N/A	4 ¹ / ₁₆ "	4 ¹ / ₄ "
Large Cassette 2.0 with Attached Rechargeable Battery Wand (Smart Shades Automation, Touch Control)	2 ¹ / ₄ "	5 ¹ / ₁₆ "	2"	2 ¹ / ₂ "	N/A	4 ¹ / ₁₆ "	4 ¹ / ₄ "
3" Fascia (Clutch Control and Smart Shades Automation)	3 ¹ / ₈ "	3 ¹ / ₈ "	2"	3 ¹ / ₈ "	90"	3 ¹ / ₈ "	3 ¹ / ₈ "
4" Fascia (Clutch Control and Smart Shades Automation)	4 ¹ / ₈ "	4 ¹ / ₈ "	2"	4 ¹ / ₈ "	156" ²	4 ¹ / ₈ "	4 ¹ / ₈ "
Cordless Standard	1 ⁵ / ₈ "	1 ³ / ₄ "	2"	1 ³ / ₄ "	N/A	N/A	N/A
Retractable Cord Standard	2 ¹ / ₄ "	3 ³ / ₈ "	2"	3 ³ / ₈ "	120"	N/A	N/A

¹ With satellite battery pack, satellite-mounted rechargeable battery wand, Internal Rechargeable Battery (Smart Shades Automation only) or 18V DC Power Supply.

² 156" is for Screen Shades fabrics. Maximum end mount width for Roller Shades is 120"; coupled shades are available up to 240" wide.

Shading Collection – Horizontal Shadings

	Minimum Inside Mount (IB) Depth	Minimum IB Fully Recessed Mounting Depth	Recommended Outside Mount (OB) Overlap Per Side	Minimum OB Flat Mounting Surface Height	Maximum End (EB) Mount Width	Headrail Depth	Headrail Height
Dual Shade System	1"	4"	3"	1"	N/A	3 ⁷ / ₈ "	5 ³ / ₈ "
Standard	1"	3 ⁵ / ₁₆ "	3"	1"	48"	3 ¹ / ₄ "	3 ¹ / ₁₆ "
Smart Shades Automation/Touch Control	● ¹	● ¹	3"	1"	48"	● ¹	● ¹
Tilt-Only Low-Profile	1"	3 ¹ / ₁₆ "	3"	3 ⁴ / ₄ "	N/A	2 ¹ / ₂ "	3 ⁴ / ₄ "

¹ Values vary. Refer to individual product specifications for detailed information.

Mounting Chart

Shading Collection – Vertical Shadings

	Minimum Inside Mount (IB) Depth	Minimum IB Fully Recessed Mounting Depth	Recommended Outside Mount (OB) Overlap Per Side	Minimum OB Flat Mounting Surface Height	Maximum End (EB) Mount Width	Headrail Depth	Headrail Height
Wand/Cord	1 ¹ / ₈ "	6 ¹ / ₂ "	5"	1"–1 ³ / ₈ " ¹	N/A	N/A	N/A
Wand	N/A	N/A	5"	1"–1 ³ / ₈ " ¹	N/A	N/A	N/A
Smart Shades Automation	1 ¹ / ₈ "	6 ¹ / ₂ "	5"	1"–1 ³ / ₈ " ¹	N/A	N/A	N/A

¹ 1" is for the spacer blocks; 1³/₈" is for the extension brackets.

Shutter Collection

	Minimum Inside Mount (IB) Depth	Minimum IB Fully Recessed Mounting Depth	Recommended Outside Mount (OB) Overlap Per Side	Minimum OB Flat Mounting Surface Height	Maximum End (EB) Mount Width	Headrail Depth	Headrail Height
Refer to the individual shutter product sections for mounting information.							

Vertical Blinds — All Collections

	Minimum Inside Mount (IB) Depth	Minimum IB Fully Recessed Mounting Depth	Recommended Outside Mount (OB) Overlap Per Side	Minimum OB Flat Mounting Surface Height	Maximum End (EB) Mount Width	Headrail Depth	Headrail Height
Vertical Track Headrail	2 ¹ / ₂ "	3 ¹³ / ₁₆ "	3"	2"	N/A	2 ¹ / ₈ "	1 ³ / ₈ "

Essentials

	Minimum Inside Mount (IB) Depth	Minimum IB Fully Recessed Mounting Depth	Recommended Outside Mount (OB) Overlap Per Side	Minimum OB Flat Mounting Surface Height	Maximum End (EB) Mount Width	Headrail Depth	Headrail Height
2" Naturals and Essentials Blinds	1 ¹ / ₈ "	3 ¹ / ₂ "	1 ¹ / ₂ "	1 ³ / ₄ "	48"	2 ¹ / ₄ "	1 ¹ / ₂ "
2 ¹ / ₂ " Essentials Blinds	1 ¹ / ₂ "	3 ⁷ / ₈ " ⁶	1 ¹ / ₂ "	1 ³ / ₄ "	48"	2 ¹ / ₄ "	1 ¹ / ₂ "

Mounting Chart

Woven Wood Shades

	Minimum Inside Mount (IB) Depth	Minimum IB Fully Recessed Mounting Depth	Recommended Outside Mount (OB) Overlap Per Side	Minimum OB Flat Mounting Surface Height	Maximum End (EB) Mount Width	Headrail Depth	Headrail Height
Clutch Control	$\frac{7}{8}"$	$2\frac{7}{8}"$ ¹	3"	$1\frac{3}{4}"$	N/A	$2\frac{5}{16}"$	$1\frac{3}{4}"$
Smart Shades Automation	$1\frac{1}{2}"$ ²	$3\frac{1}{2}"$ ^{1,2}	3"	$1\frac{3}{4}"$	N/A	$2\frac{5}{16}"$	$1\frac{3}{4}"$
Smart Shades Automation with headrail-mounted rechargeable battery wand	$1\frac{7}{8}"$ ²	$3\frac{7}{8}"$ ¹	3"	$1\frac{3}{4}"$	N/A	$2\frac{5}{16}"$	$1\frac{3}{4}"$
Retractable Cord	$\frac{7}{8}"$	$2\frac{7}{8}"$ ¹	3"	$1\frac{3}{4}"$	N/A	$2\frac{5}{16}"$	$1\frac{3}{4}"$
Cordless	$\frac{7}{8}"$	$2\frac{7}{8}"$ ¹	3"	$1\frac{3}{4}"$	N/A	$2\frac{5}{16}"$	$1\frac{3}{4}"$

¹ Includes fabric on valance.

² Without an attached battery wand, inside mounting depths are the same as Clutch Control.

Notes

- For headrail images, refer to the Bracket and Headrail Mounting Guide in the sample books.

Operating Systems

These charts were developed to provide an overview of LEVOLOR® PREMIER™ proprietary operating systems. Many offer enhanced child safety features and all provide convenience to consumers. Use the charts along with details in the product sections to help customers select the right system for their needs.

	Alternative Wood Blinds	Banded Shades	Basics			Cellular Shades	Contemporary Roman Shades	Panel Track	Roller Shades	Screen Shades	Shadings Collection		Shutters Collection			Vertical Blinds	Wood Blinds	Woven Wood Shades
			Cellular Shades	Faux Woods	Roller & Screen						Horizontal Shadings	Vertical Shadings	Composite Shutters	Hardwood Shutters	Poly Shutters			
Bi-Fold Track													•	•	•			
Bypass Track													•	•	•			
Clutch Control		•				•	•		•	•	•							•
Concealed Tilt													•	•	•			
Continuous Cord Loop																		
Cord and Wand																		
Cordless	•					•	•				•						•	•
Front Tilt													•	•	•			
Smart Shades Automation		•				•	•	•	•	•	•	•						•
Rear Tilt															•			
Retractable Wand		•				•	•				•							
Simple Cordless	•																•	
Simple Cordless with Tilt Smart Shades Automation	•																•	
Skylight						•												
Controlled Close for Bypass													•	•	•			
Split Tilt													•	•	•			
Standard Hinged Panel													•	•	•			
Touch Control		•							•	•	•							
Vertical Cellular						•												
Vertical Cellular Smart Shades Automation						•												
Wand	•							•				•				•	•	
Wand/Cord												•						

¹ Rolling Style only.

Operating Systems Definitions

Arch Shade System

Sliding handle smoothly raises and lowers arch-shaped Cellular shades.

Bi-Fold Track

Allows up to six panels to be hinged together. Panels are connected to a top track, which supports the panels and guides their folding movements.

Bypass Track

Shutters slide on top tracks to open and close. Multiple tracks allow the panels to slide past each other.

Clutch Control

Continuous cord loop and clutch system to easily raise or lower large shades.

Combination Wand/Cord

Single control traverses the sheer and rotates the vanes.

Concealed Tilt

Uses an internal gear and rack system in one of the stiles allowing all louvers to be operated together.

Continuous Cord Loop

Loop and clutch system to raise and lower large window coverings. Cord loop system to traverse window coverings open and closed.

Cordless

Virtually eliminates cords and allows blinds to raise or lower with the touch of a finger.

Front Tilt

Tilt bar is attached vertically to all shutter louvers on the front of the panel to coordinate movement of the louvers.

Smart Shades Automation

Motorized wireless control used for raising and lowering shades; traversing shades; and rotating vanes, slats and louvers. Integrates with various third-party devices for Home Automation.

Rear Tilt

Discreet operating system that has the tilting mechanism located on the rear outside edge of the shutter louvers, making it nearly invisible from the front.

Retractable Wand

Retractable wand system that keeps the cord at a constant length, whether the shade is raised or lowered.

Simple Cordless

Cordless entry-level lifting system that enhances safety and simple operation with a push-button to raise and lower on the bottom rail.

Simple Cordless with Tilt Smart Shades Automation

Combines the ease of Simple Cordless with the convenience of Smart Shades Automation, eliminating wands for a completely convenient operating experience.

Skylight

Hardware system to cover skylights, windows on sloped walls or hard-to-reach windows. Available with manual and Smart Shades Automation.

Controlled Close for Bypass

A self-closing mechanism featuring smooth, controlled panel closure with a single touch, standard on bypass track systems shutters

Split Tilt

Louvers can be split into two separate sections and can be operated independently from one another.

Standard Hinged Panel

Single panels can be individually hinged; two panels may be hinged together as bi-fold panels.

Touch Control

Cordless motorized lifting system designed for simple, intuitive wand controlled shade operation.

Vertical Cellular (Manual, Smart Shades Automation)

Hardware system moves vertically oriented Cellular Shades from side to side. Available manual and motorized. Smart Shades Automation features dual operation to activate the shade with remote or manually.

Wand — Alternative Wood and Wood Blinds

Tilt slats open and closed.

Wand — Vertical Shadings

Cordless single wand control traverses the shadings and rotates the vanes.

Options

These charts were developed to provide an overview of LEVOLOR® PREMIER™ proprietary options. All provide convenience to consumers. Use the charts along with details in the product sections to help customers select the right system for their needs.

	Alternative Wood Blinds	Banded Shades	Basics			Cellular Shades	Contemporary Roman Shades	Panel Track	Roller Shades	Screen Shades	Shadings Collection		Shutters Collection			Vertical Blinds	Wood Blinds	Woven Wood Shades
			Cellular Shades	Faux Woods	Roller & Screen						Horizontal Shadings	Vertical Shadings	Composite Shutters	Hardwood Shutters	Poly Shutters			
Bottom-Up	•	•	•	•	•	•	•		•	•	•						•	•
Day/Night						•			•	•								
Dual Shade System											•							
Side Stack						•		•				•				•		
Specialty Shapes	•					•	•				•		•	•	•		•	
Angle						•	•				•		•	•	•		•	
Arch	•					•	•				•		•	•	•		•	
Arch Shade System						•												
Circle						•	•						•	•				
Hexagon						•	•						•	•	•			
Octagon						•	•						•	•	•			
Oval							•						•	•				
Pentagon													•	•	•			
Quarter Circle	•					•	•						•	•	•		•	
Trapezoid						•	•											
Split Stack						•		•				•				•		
Three Shades on One Headrail																	•	
Top-Down						•												
Top-Down/Bottom-Up						•												•
Traveling Center Stack						•												
Two Shades on One Headrail	•					•	•				•						•	•

¹ Rolling Style only.

Option Definitions

Bottom-Up

When opened the bottom of the shade rises to reveal the window opening.

Day/Night

Day/Night transitions seamlessly from one fabric to the next with no visible middle rail. Each fabric panel has its own set of lift cords.

Dual Shade System

Front Horizontal Shading fabric with room-darkening back roller shade combined in one headrail provides increased privacy and light control. Available on Clutch Control, Cordless and Smart Shades Automation.

Side Stack

When opened, the product moves to one side to reveal the window opening.

Specialty Shapes

These products are designed to cover window openings that are not rectangular.

Split Stack

When opened, the product moves to both sides to reveal the window opening.

Three Shades on One Headrail

The product has three rectangular shades attached to a single headrail.

Top-Down

When opened, the top of the product lowers to reveal the window opening.

Top-Down/Bottom-Up

Shades can be operated top-down, bottom-up, or in combination. Available in manual and Smart Shades Automation.

Traveling Center Stack

The product can be opened from either or both sides of the window opening.

Two Shades on One Headrail

The product has two rectangular shades attached to a single headrail.

Decorative Window Fashion Support

The Decorative Window Fashion Support is a decorative support used to mount shades, shadings and blinds in specialty style windows or in a rectangular window. For example, in a Palladian arch window, the shelf enables window coverings up to 96" wide to be mounted where previously they could not be installed.

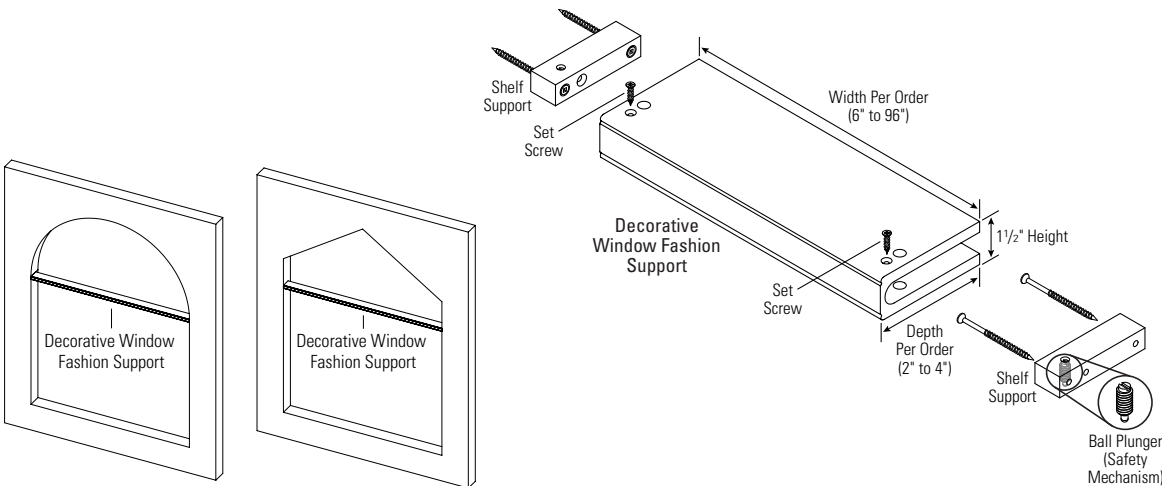
Decorative Window Fashion Support Specifications

- Made of genuine hardwood
- Available in all LEVOLOR® PREMIER™ Composite and Hardwood Shutters colors.
- Mounting type: inside mount only, ordered by exact measure
- Designed to support a maximum load of 40 pounds
- Concealed mounting blocks on each end with a safety locking mechanism for a secure installation

Measuring

Measure exact width and depth. See drawing below.

- Maximum width: 96"
- Minimum width: 6"
- Maximum depth: 4"
- Minimum depth: 2"
- Face height: 1 1/2"
- No deductions taken from ordered dimensions



Decorative Window Fashion Support Pricing

(Width-Based)

	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"
PAINTED	\$270	305	340	375	405	440	475	510	540	575	610	645	675	710
STAINED	300	335	375	410	445	485	520	560	600	630	670	710	745	780

Specialty Shapes

Operable Specialty Shapes Summary		Angles						Arches					Circles				Eyebrows			Other				
		Angle	Extended Angle	Extended Inverted Angle	Inverted Angle	Inverted Taper	Taper	Triangle	Arch Shade System	Arch (imperfect)	Arch (perfect)	Extended Arch (imperfect)	Extended Arch (perfect)	Circle	Oval	Quarter Circle (imperfect)	Quarter Circle (perfect)	Eyebrow	Extended Quarter Eyebrow	Extended Eyebrow	Pentagon	Hexagon	Octagon	Trapezoid
Alternative Wood Blinds																								
Banded Shades																								
Cellular Shades								•																
Contemporary Roman Shades																								
Panel Track																								
Roller Shades																								
Screen Shades																								
Shading Collection	Horizontal Shadings																							
	Vertical Shadings																							
Shutter Collection	Composite Shutters	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Hardwood Shutters	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Poly Shutters	•	•					•		•	•	•	•				•	•	•	•	•	•	•	
Vertical Blinds																								
Wood Blinds																								
Woven Wood Shades																								

Notes

Refer to the specific product sections of this Reference Guide for specialty shapes guidelines, pricing, and specifications.

Non-Operable Specialty Shapes Summary		Angles			Arches				Circles				Eyebrows			Other		
		Angle	Extended Angle	Triangle	Arch (imperfect)	Arch (perfect)	Extended Arch (imperfect)	Extended Arch (perfect)	Circle	Oval	Quarter Circle (imperfect)	Quarter Circle (perfect)	Extended Quarter Eyebrow	Extended Eyebrow	Eyebrow	Hexagon	Octagon	Trapezoid
Alternative Wood Blinds		•	•		•	•	•	•			•	•	•	•	•			
Banded Shades																		
Cellular Shades		•			•	•	•	•	•		•	•	•	•	•	•	•	•
Contemporary Roman Shades		•	•		•	•	•	•	•	•	•	•			•	•	•	•
Panel Track																		
Roller Shades																		
Screen Shades																		
Shading Collection	Horizontal Shadings	•	•		•	•	•	•										
	Vertical Shadings																	
Shutter Collection	Composite Shutters																	
	Hardwood Shutters																	
	Poly Shutters																	
Vertical Blinds																		
Wood Blinds		•	•		•	•	•	•			•	•	•	•	•			
Woven Wood Shades																		

Notes

- Refer to the specific product sections of this Reference Guide for specialty shapes guidelines, pricing, and specifications.

Privacy and Light Control

Control by the Numbers

LEVOLOR® PREMIER™ window fashions offer five distinct privacy and light control levels:

1. Allows light to enter while reducing glare. Softly focuses view to outside.
2. Diffuses light for soft, screened view. Moderate privacy.
3. Transmits filtered light with no view-through. Provides more privacy.
4. Filters more light. Blocks view. Provides even more privacy.
5. Blocks virtually all light. Provides the most privacy and light control.

Notes

The addition of smart shades automation to products does not alter the level of privacy and light control.

Product/Fabric Type	1	2	3	4	5
Alternative Wood Blinds					
Traditional Routed	• ²			• ³	
Decorative Tapes	• ²				• ³
Banded Shades					
— Baylan	• ²		• ³		
— Demeri	• ²		• ³		
— Haspen	• ²			• ³	
— Inspiration	• ²		• ³		
— Jarah	• ²		• ³		
— Marcoe	• ²		• ³		
— Oakam	• ²		• ³		
— Oberon	• ²			• ³	
— Prosper	• ²		• ³		
— Quella	• ²		• ³		
— Safari	• ²			• ³	
— Skylar	• ²		• ³		
— Zane	• ²			• ³	
— Zia	• ²			• ³	
Cellular Shades					
Sheer Fabrics	•				
Semi-Sheer Fabrics		•			
Light-Filtering Fabrics			•		
Room-Darkening Fabrics					•
Contemporary Roman Shades					
All Sheer Fabrics	Varies Based on Face Fabric				
Light-Filtering Fabrics			•		
Room-Darkening Fabrics					•
Panel Track					

Refer to fabrics in the Roller and Screen Shades section of this chart.

For more information see the Control by the Numbers Table Footnotes[™].

Product/Fabric Type	1	2	3	4	5
Roller Shades					
— Acosta			•		
— Anchor					•
— Anderson		•			
— Armond			•		
— Beacon			•		
— Brentwood		•			
— Brielle	•				
— Cambray					•
— Camila				•	
— Cantwell					•
— Connor				•	
— Dacey			•		
— Dante			•		
— Devon				•	
— Edith	•				
— Ellie		•			
— Elston			•		
— Faley				•	
— Faraday	•				
— Farley					•
— Fenwick			•		
— Francesca		•			
— Galavan					•
— Gardner			•		
— Gerrard			•		
— Gilbey			•		
— Hendrix			•		
— Iris			•		
— Janeeva			•		
— Jersey		•			
— Kaida		•			
— Kelsey			•		
— Langham		•			
— Lisley			•		
— Macraee			•		
— Maddix					•
— Marras			•		
— Nanton			•		
— Neve			•		
— Nicole			•		
— Noble			•		
— Norwood			•		
— Oakton					•
— Ohara			•		

For more information see the Control by the Numbers Table Footnotes[™].

Privacy and Light Control

Product/Fabric Type	1	2	3	4	5
— Paddon			•		
— Paxton			•		
— Rankin			•		
— Ryan		•			
— Saville			•		
— Seaton					•
— Selwyn	•				
— Talen					•
— Tambling			•		
— Taurel			•		
— Traville			•		
— Tribble	•				
— Upton			•		
— Vala			•		
— Yardley			•		
— Yardley Blackout					•
Screen Shades					
— Allan 1%				•	
— Allan 3%		•			
— Allan 5%		•			
— Allan 10%	•				
— Astor 5%		•			
— Beekman 5%		•			
— Bradley 1%				•	
— Bradley 5%		•			
— Cabrini 5%		•			
— Charlton 5%		•			
— Eaden 1%				•	
— Eaden 3%		•			
— Eaden 5%		•			
— Eldridge 1%				•	
— Eldridge 4%		•			
— Madison 3%		•			
— Morgan 3%		•			
— Ottis 3%				•	
— Ottis 5%				•	
— Paige 3%		•			
— Perry 3%		•			
— Straton 0%					•
— Thayer 0%					•
— Uli 0%					•
— Waverly 0%					•
Shading Collection — Horizontal Shadings					

For more information see the Control by the Numbers Table Footnotes[™].

Product/Fabric Type	1	2	3	4	5
Dual Shade System Room-Darkening Shadings	• ⁴		• ³		• ⁵
Aerial	• ²		• ³		
Channel	• ²		• ³		
Essence	• ²		• ³		
Genesis	• ²		• ³		
Indulge	• ²		• ³		
Nera	• ²		• ³		
Nera Light Dimming	• ²			• ³	
Open Sheer with Nera	• ²		• ³		
Pure	• ²		• ³		
Sona	• ²		• ³		
Sonora	• ²		• ³		
Summertide	• ²		• ³		
Shading Collection — Vertical Shadings					
All Light-Filtering Fabrics	• ²		• ³		
All Room-Darkening Fabrics	• ²			• ³	
Shutter Collection – Composite Shutters					
All Products	• ²				• ³
Shutter Collection – Poly Shutters					
All Products	• ²				• ³
Vertical Blinds — All Collections					
Fabric — Inserted ¹				•	
Fabric — Free Hanging (see fabrics below)					
Cambric			•		
Vinyl				•	
Wood Blinds					
Traditional Routed	• ²			• ³	
Decorative Tapes	• ²				• ³
Woven Wood Shades					
Abingdon			•		
Calumet		•			

For more information see the Control by the Numbers Table Footnotes[™].

Privacy and Light Control

Product/Fabric Type	1	2	3	4	5
Campbell	•				
Greenport		•			
Hanover	•				
Kankura			•		
Macomb			•		
Malden		•			
Mason			•		
Medford			•		
Mystic		•			
Natchez			•		
Paia			•		
Samoan			•		
Seaward		•			
South Haven			•		
Taunton			•		
Vale		•			
Wayland		•			
Light-Filtering Neutral Liner				•	
Room-Darkening Neutral Liner					•
Room-Darkening Tonal Liner					•

For more information see the Control by the Numbers Table Footnotes[™].

Control by the Numbers Table Footnotes

¹ A groover insertable fabric combined with a groover blocks virtually all light.

² Vanes/louvers/slats open.

³ Vanes/louvers/slats closed.

⁴ A Dual Shade System back panel is raised but front shading is lowered with vanes open.

⁵ A Dual Shade System back panel is fully lowered.

Flame Retardant Fabric

The following fabrics are chemically treated to achieve self-extinguishing properties and passes NFPA-701 Small Scale Test.

Panel Track

- Allan 1%
- Allan 3%
- Allan 5%
- Allan 10%
- Astor 5%
- Bradley 1%
- Bradley 5%
- Cabrini 5%
- Eaden 1%
- Eaden 3%
- Eaden 5%
- Eldridge 1%
- Eldridge 4%
- Madison 3%
- Morgan 3%
- Ottis 3%
- Ottis 5%
- Paige 3%
- Waverly 0%

Poly Shutters

- All Products

Notes

- The Poly Shutters material is certified flame retardant and passes the NFPA-701 Small Scale Test.

Screen Shades

- Allan 1%
- Allan 3%
- Allan 5%
- Allan 10%
- Astor 5%
- Bradley 1%
- Bradley 5%
- Cabrini 5%
- Eaden 1%
- Eaden 3%
- Eaden 5%
- Eldridge 1%
- Eldridge 4%
- Madison 3%
- Morgan 3%
- Ottis 3%
- Ottis 5%
- Paige 3%
- Uli 0%
- Waverly 0%

Vertical Blinds

- Basket
- Clanton
- Clifton
- Dylan
- Fletcher
- Gainsboro
- Harvey
- Lyla
- Manville
- Pullman
- Woodbridge