



Window Shades

DRAPER

Spring Roller Shades

Simplicity of design, durable materials and careful workmanship make DRAPER SPRING ROLLER SHADES America's first choice for quality light control and room darkening shades. DRAPER SPRING ROLLER SHADES are designed specifically for institutional use and manufactured to endure the toughest conditions. DRAPER shades are custom made to fit your windows and individually tested before shipment to make sure they operate perfectly.



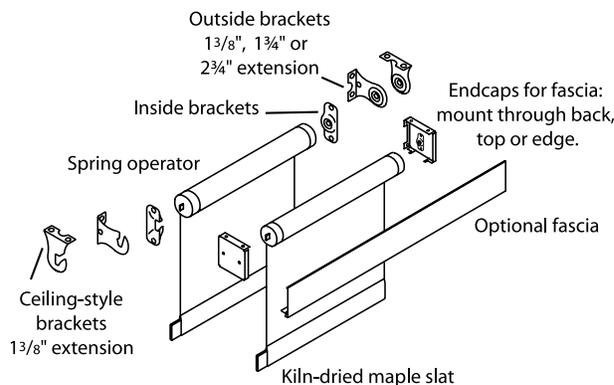
Spring-Roller Shades with SB9000 at the Hoosier Gym, home court location for the movie "Hoosiers", Knightstown, IN. Installation: Fred Mann, New Castle, IN. Photography: Wayne Williams, Indianapolis, IN.

Fabrics

DRAPER SPRING ROLLER SHADES are offered in your choice of 9 room darkening and 15 light filtering woven mesh materials, and in a myriad of colors. The most popular fabrics and colors appear on pages 7-8 of this catalog.

Optional Fascia

Available with an attractive aluminum fascia to conceal roller. Finishes: silver (standard); white, ivory, charcoal bronze and black available on request at no additional charge. Endcaps and brackets are supplied with fascia.



Exclusive Features

Spring Roller

Traditional window shade operation. Metal rollers and heavy-duty springs operate any shade through 12' wide x 12' high.



Large Diameter Institutional Metal Rollers

All shades are mounted on rigid steel rollers that house heavy-duty springs. Our ball-bearing style locking mechanism operates more smoothly than other devices on the market. Spring mechanism can be replaced easily in the field.

Fabric Attachment

Fabric is attached to roller with an industrial adhesive, designed to withstand high temperatures and moisture. This adhesive attachment eliminates drilling or unsightly fasteners and gives a strong, permanent bond that leaves a smooth, attractive surface.



Heat Seamed

Hems are heat seamed for added strength. Prevents hems from raveling and tearing.



Kiln-Dried Hard Maple Slats

Indiana hard rock maple, 7/8, 1 1/4 or 1 1/2", at our discretion. Ten times stronger than pine slats. No "finger joints".



#4 1/2 Large Size Cord

Hard braided large diameter cotton cord, attached to slat with screweye and cord clasp. Screweye doesn't weaken slat like punched eyelet holes used on shades of lesser quality.



Each Shade Individually Tested

Every DRAPER shade is individually tested before shipment for perfect operation.

Heavy-Duty Cadmium-Plated Hardware

Heavy plated steel hardware.



Clutch Operated Shades

DRAPER clutch operated shades offer these desirable features:

- Sleek, smoothly operating, bead chain control. **Never needs adjustment.** Our clutch operated shades are bidirectional and can be mounted for either right- or left-hand operation, as preferred.
- **Stainless steel** operating chain, (standard), hangs at the side of the window, rather than the center, so nothing obstructs your view. Polyester chain optional at no extra cost.
- New universal brackets allow outside, ceiling or jamb mounting. The same bracket is used for clutch and idler ends (there are no right or left hand brackets). Brackets available in $1\frac{5}{8}$ " (standard) and $2\frac{1}{4}$ " (optional) extensions.
- Optional **white bracket covers** available for $1\frac{5}{8}$ " brackets.
- Shades operate easily and stop automatically the moment you release the chain. Shades **factory tested** for proper operation.
- In multiple window openings, all shades can be raised or lowered to exactly the same height. Preset "up" and "down" stops prevent shade from being raised or lowered too far.
- **Optional aluminum fascia** and endcaps conceal roller and clutch mechanism for a clean, modern appearance. Finishes: silver (standard), white, ivory, charcoal bronze and black also available by request at no additional charge.
- Clutch operated shades are offered in a wide range of room darkening fabrics and woven mesh fabrics to control glare while retaining the view. Available through 12' wide x 12' high.

Fabrics

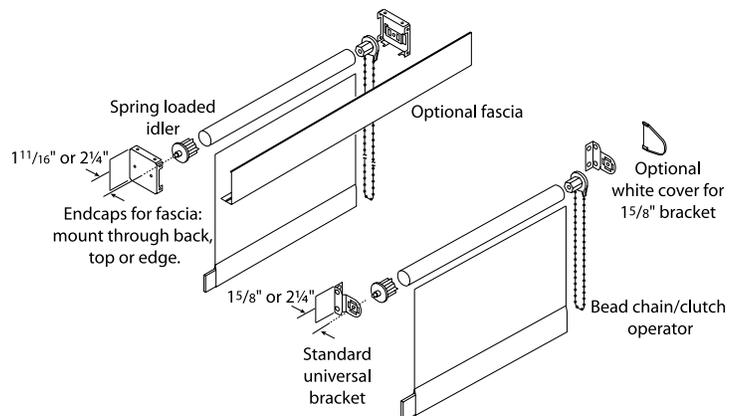
DRAPER clutch operated shades are offered in 9 room darkening and 17 light filtering woven mesh materials in a myriad of colors. The most popular fabrics and colors appear on pages 7-8 of this catalog.



Techmatic Shades at Test Middle School, Richmond, IN. Renovation of 1920s building installed by Fred Mann. Photography by Wayne Williams.



Clutch operated shades in Fairview Elementary, Richmond, IN. Installed by Fred Mann. Photography by Wayne Williams.



Motorized Shades

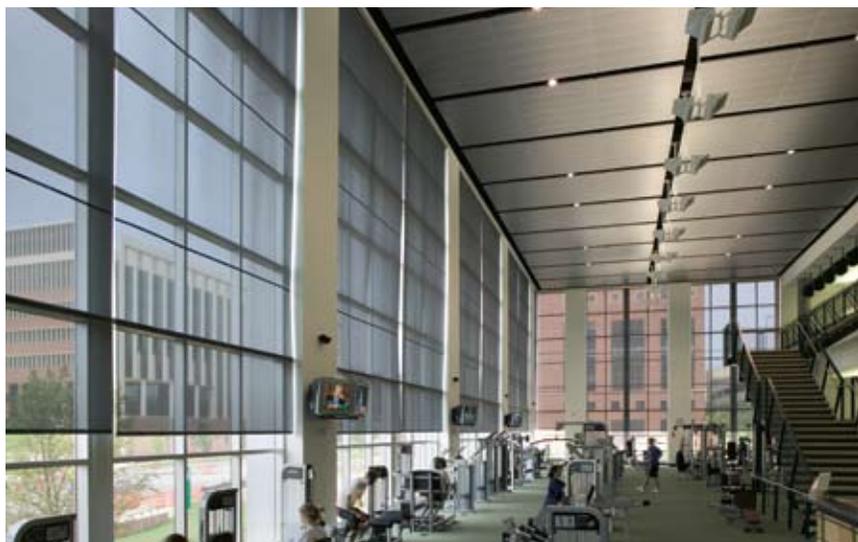
The simplicity of shades with the versatility of motorized operation.

MOTORIZED FLEXSHADES BY DRAPER offer the ultimate in high-tech convenience in a functional shading system. These shades offer the most intelligent sun control solutions. MOTORIZED FLEXSHADES retract completely when not in use for an unobstructed view.

Installation choices range from simple mounting brackets, to endcaps and fascia, to complete extruded pockets with bottom closure panels. Up to five MOTORIZED FLEXSHADES can even be coupled to reduce the number of motors required.

MOTORIZED FLEXSHADES have compact, tubular gearmotors located within each roller for smooth, reliable operation. A simple wall switch is included with each motorized unit. Or choose one of the most versatile motor control systems: INTELLIFLEX® gives you total flexibility in how you group, sub-group or individually control your shades.

MOTORIZED FLEXSHADES are available in any size from 2' through 36' wide.



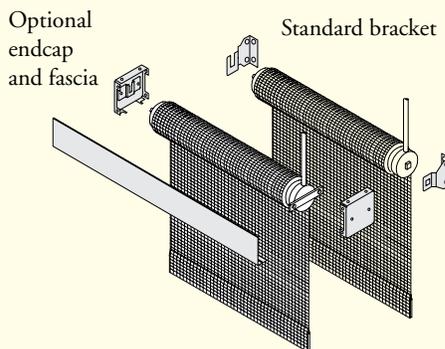
FlexShade 2 window shades with "M" Screen 10% at University of Alabama at Birmingham Campus Recreation Center. Dealer: Erwin & Associates. Architect: Williams-Blackstock Architects, Birmingham, AL. Photographer: Curtis Photographics, Memphis, TN.

Quiet Motors

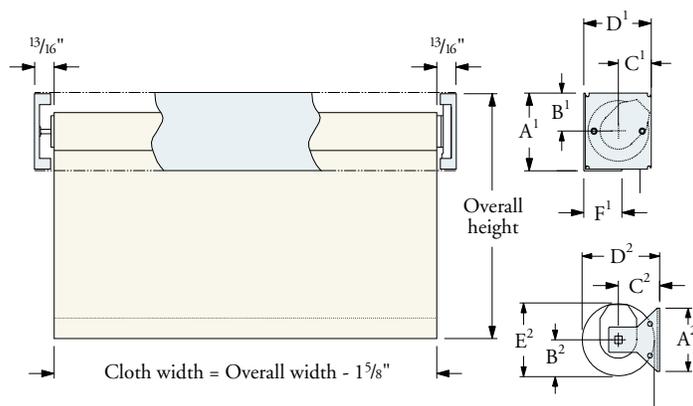
For environments that need an extra quiet touch QUIET MOTORS are now available from DRAPER. These high voltage motors run even more quietly than standard motors. Please contact DRAPER for more information and restrictions.

Fabrics

DRAPER MOTORIZED FLEXSHADES are offered in your choice of 9 room darkening and 17 light filtering woven mesh materials, and in a myriad of colors. The most popular fabrics and colors appear on pages 7-8 of this catalog.



Motorized FlexShade Dimensions



Headbox/Endcaps
or Fascial/Endcaps

Standard
Brackets

	Small	Large		Small	Large
A ¹	3 ⁷ / ₈ "	4 ⁵ / ₈ "	A ²	2 ¹ / ₂ "	3 ¹ / ₄ "
B ¹	1 ¹⁵ / ₁₆ "	2 ¹ / ₄ "	B ²	1 ³ / ₈ "	2"
C ¹	1 ¹¹ / ₁₆ "	2 ⁵ / ₁₆ "	C ²	1 ⁵ / ₈ "	2 ⁵ / ₁₆ "
D ¹	3 ³ / ₈ "	4 ⁵ / ₈ "	D ²	3"	4 ¹ / ₄ "
F ¹	2 ³ / ₈ "	2 ⁵ / ₈ "	E ²	3 ¹ / ₁₆ "	4"

Maximum bundle diameter dictates the size of headbox with endcaps, fascia with endcaps, and standard brackets, which is governed by the size of shade and choice of fabric. Consult Draper to determine which size is required for your installation. Hardware details shown on page 8.

Snugfold Folding Shades

SNUGFOLD shades are designed to cover large glass areas such as those found in classrooms, cafeterias and gymnasiums. The SNUGFOLD folds and unfolds smoothly and easily by means of a simple and reliable, color coordinated cord and pulley system.

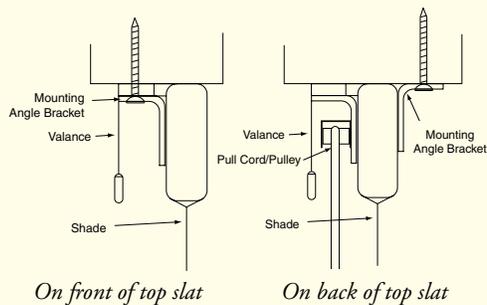
Cord locks enable shade to be stopped at any point. A permanently attached, 6" matching cloth valance conceals all hardware.

Simplicity of design and quality components make the SNUGFOLD an economical and practical way to darken multiple window openings.

Manufactured exclusively with COLONY fabric (see page 6). COLONY is available in a variety of attractive interior colors, with a uniform white exterior. Sizes through 15' wide x 12' high. Three intermediate maple slats allow the SNUGFOLD to fold to approximately one-sixth its total height.

The steel stays midway between each slat keep folds smooth and flat. Slat are secured in stitched slat hems, designed to minimize strain on stitching. Large-diameter self-lubricating nylon pulleys are housed in heavy gauge brass-tone plated steel frames. Cord locks are integral to pulley frame for maximum strength and ease of operation.

Face mount through top slat. Ceiling and jamb mount with steel mounting angles.



"L" Angle Brackets



For header or ceiling installation, use "L" Angle Brackets. "L" Angle Brackets may be factory installed on front (standard) or back of top slat on approximately 30" centers.



Snugfold Shades installed at Test Middle School in Richmond, IN. by Fred Mann. Photography by Wayne Williams

Snugfold in the full up position stacks in approximately 1/6 of its original height.



Normally hidden by the valance, three nylon marine pulleys with automatic cord lock control the operation.

Shades to Cover Every Window

LightBloc FlexShades

For total darkness, specify LIGHTBLOC FLEXSHADES. Ideal for audio-visual, conference and training rooms. Precision engineered and custom built for each opening, LIGHTBLOC FLEXSHADES may be motorized or manually operated with bead chain clutch, crank or spring roller.



LightBloc FlexShades with SB9000 at St. Stephen Church & Prayer Retreat Center, Jeffersonville, IN. Design/Installation: Best Blind & Shade, Louisville, KY. Photography: © 2005 Kenneth Hayden, Louisville, KY.

Skylight FlexShades

An unprotected skylight can generate intense heat and glare. SKYLIGHT FLEXSHADES are the ideal remedy. Inconspicuously recessed into the skylight opening, a SKYLIGHT FLEXSHADE provides sunlight and UV control to protect people and furnishings.



Skylight FlexShade with "E" Screen 5% at Lawrence North High School. Installation: SPD Textile & Drapery, Inc. Photography: Brian Bookwalter, All of Indianapolis, IN. Shown closed.

FlexShade Fixed Panels

FLEXSHADE PANELS provide sunlight filtration at a lower cost than operable solutions. They are particularly well suited for skylights and sloped glazing in solariums or odd-shaped openings. Prevents ultraviolet damage to expensive textiles and furniture located in direct sunlight and relieves the discomfort from solar heat and glare often associated with unprotected glazing.



FlexShade Panels with SheerWeave® PW4100 at Riverdale Branch, New York Public Library. Architect: Prendergast Laurel Architects. Installation: JDR Window. Photography: ©2005 Bruce Katz. All of New York, NY.

Graphics on FlexShades

You provide the artwork, and we'll print virtually any logo or graphic on the shade using a high quality, digital four-color process. Ideal for situations where restrictions are imposed on signage. Graphics can be printed on either side of the shade.



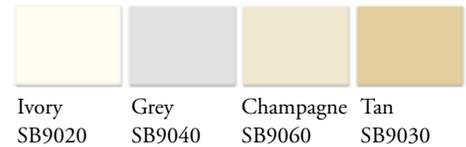
Graphic FlexShades with Soltis® 99 fabric at Southeast Missouri State University, Cape Girardeau, MO. Installation: Jack F. Dale & Associates. Photography: Emily Bach, Columbia, MO.

Room Darkening Fabrics

DRAPER room darkening fabrics block the sun's light to enable audio visual instruction. All fabrics are constructed of tough, tear-resistant woven fiberglass coated on both sides with durable, sun-resistant vinyl. All are flame, fade and mildew resistant and washable.

SunBloc Series SB9000 (Triopak II)

For use whenever complete opacity is required. Close-woven fiberglass is sandwiched between two layers of sun-resistant vinyl with lightproof interliner. Fabric is same color on both sides. Also available in white and black.



SunBloc Series SB9100 (Duopak)

Same lightproof construction as SB9000, in an array of popular colors. All with uniform white exterior. Also available in white and black.



Colony Series CL8000

Close woven fiberglass base textile with sun-resistant vinyl securely bonded to each side. Not 100% opaque but suitable for room darkening. Choice of 11 attractive colors, all with uniform white exterior. Also available in white and black.

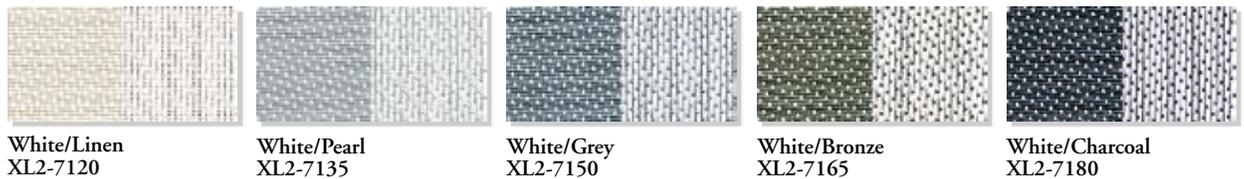


Woven Mesh Solar Screen Fabrics

Woven mesh fabrics cut the sun's heat and glare, and save energy by reducing heat transfer at the window. Solar screen fabrics are woven with openness factors ranging from 1% to 10%, so you can see outside even when the shades are drawn. Dark colors provide adequate room darkening. All are flame, fade and mildew resistant, washable and tear-resistant.

Screen²® (XL2®) by Hexcel

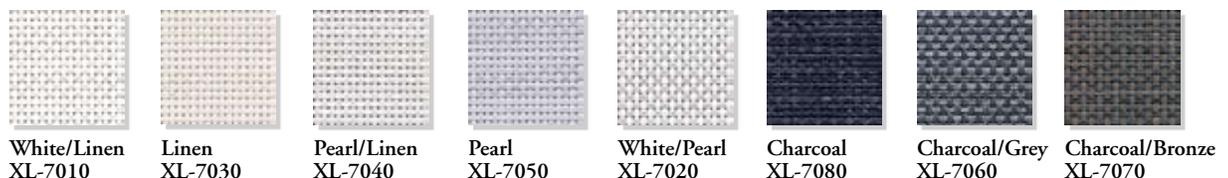
Color selection in woven mesh shades is a trade-off. Light colors save more energy because they reflect the sun's heat. Dark colors enable a better view of the outside because they absorb light. SCREEN² offers both benefits in a single shade using a unique duplex weave with light colors outside and dark colors inside. PVC coated fiberglass, 12.5 oz./sq.yd. 3, 5 and 10% openness factors.



2x2 Basketweave Fabrics

Screen Vision (XL) by Hexcel

Attractive 2x2 basketweaves are non-directional, roll straight and true on the roller. PVC coated fiberglass, 11.5 oz./sq.yd. Choice of 3, 5 and 10% openness factors. Available in 9 designer colors, including white.

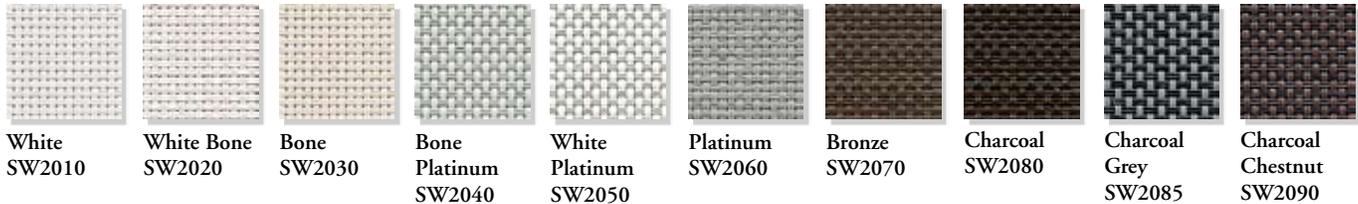


Other fabrics and colors are available. Contact your Draper dealer representative for more information.

2x2 Basketweave Fabrics (continued)

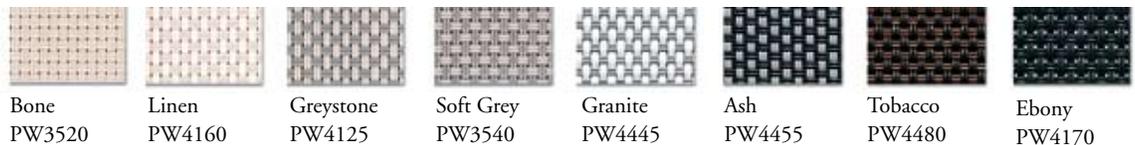
SheerWeave® Series SW2000/2100 by Phifer

Heavy duty 2x2 basketweave. PVC coated fiberglass, 13.6 oz./sq.yd. SW2000 has a 5% openness factor, SW2100 has 10% openness factor. Choice of 10 designer colors.



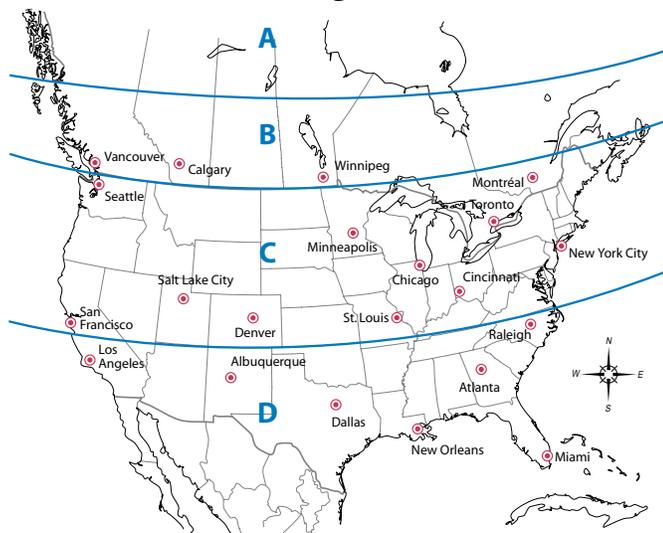
SheerWeave® Series PW3500/4100/4400 by Phifer

PVC coated polyester in your choice of 9 attractive colors, including white. Average 12.2 oz./sq.yd. PW3500 woven in 5% openness factor, PW4100 in 10% and PW4400 in 3% openness factor.



Shade Fabric Selection Based on Building Position and Location

Regions



The compass at right indicates the recommended openness factor based on the orientation of your building.

Openness Factor By Region

Regions	Clear View	Obstructed View
A	10% 5% — 5% 3%	10% 10% — 10% 5%
B	10% 5% — 5% 3%	10% 10% — 10% 5%
C	5% 3% — 3% 5%	10% 5% — 5% 5%
D	5% 3% — 3% 5%	10% 5% — 5% 10%

DRAPER

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Front cover: Crank operated FlexShades with Hexcel XL2® Blanc/bronze fabric, North Park Branch Library, Evansville, IN. Installation by Spindletop Draperies, Louisville, KY. Photography by Barry Rustin, Evanston, IL

Find Window Shade specifications on the web at www.draperinc.com.