Lutron offers the most advanced shading solutions for commercial spaces, with a large variety of product options and features. From individual, battery-powered roller shades to self-adjusting automated shading solutions, we offer the right system for any need.

Lutron is the industry leader in technological innovation, offering:

• smooth, quiet, precise, low-voltage drive technology
• hardware that allows flexible installation in a variety of architectural configurations
• a wide range of fabric options to ensure design intent is met, daylighting performance is optimized, and aesthetics are enhanced
• Hyperion™ solar adaptive shading — an automated shading system that adjusts shades throughout the day based on the position of the sun
• a fully integrated, total light management solution from a single manufacturer

Specify a Lutron roller shading solution in just four simple steps:

Step 1

Select the shade fabric – Consider the needs of the space when choosing a fabric. Depending on how a space is used, you may want to reduce glare, maximize daylight, preserve views or you may need to darken the area for A/V presentations.

Step 2

Select the drive unit and top treatment – The drive unit and top treatment differ depending on the size of the window and the architecture of the building.

Step 3

Select the power supply – Choose from several options for powering a shade based on the number and placement of shades in the space.

Step 4

Select the controls – Shade controls range from personal wireless remote controls, to publicly accessible wall-mounted keypads, to a completely automated system.
Table of contents

2  Select the shade fabric
6  Select the drive unit and top treatment
8  Select the power supply
10 Select the controls
12 Experience Center locations
Lutron offers roller shade fabrics in four categories for Performance shading solutions—Spec Grade Solar Screens, Sustainable Solar Screens, General Purpose, or Blackouts. Select the type that best meets the needs of your space.

**Spec Grade Solar Screens**
a selection of solar screen fabrics with tightly controlled fenestration properties and strict tolerance requirements
- ensures fabric performance meets your building design intent
- complies with the THEIA™ Performance Specification

**Sustainable Solar Screens**
a selection of PVC free fabrics that have the combined benefits of traditional solar screens with environmentally friendly and sustainable properties

**General Purpose Solar Screens**
a selection of traditional and dual-sided solar screens to minimize glare while maximizing daylight and view, and enhancing productivity

**Blackouts**
a selection of dual-sided and standard opaque fabrics to block daylight
Fabric selection

Because daylight interacts with shade fabric in a number of ways, you should also consider solar performance metrics when choosing a fabric.

**Openness factor (OF)**
The percentage of direct light that is transmitted through the fabric (generally due to the tightness of the weave)

**Visible Light Transmittance (Tv)**
Percentage of visible light that passes through the fabric; lower values indicate greater glare reduction

**Solar transmittance (Tₛ)**
Percentage of solar radiation that passes through the fabric

**Solar absorptance (Aₛ)**
Percentage of solar radiation absorbed by the fabric

**Solar reflectance (Rₛ)**
Percentage of solar radiation reflected back out by the fabric

Solar metrics: For each fabric, \( Tₛ + Aₛ + Rₛ = 100\% \)

NEW! Performance Shading Advisor

Lutron’s new web-based Performance Shading Advisor transforms the complicated task of choosing fabrics into a simple selection process. This innovative, commercially-focused tool gives architects and designers the ability to optimize the design of their shading system based on building performance and aesthetic preference. Reduce glare, maximize daylight, preserve view, and enhance your design at: [www.PerformanceShadingAdvisor.com](http://www.PerformanceShadingAdvisor.com).

Select the shade fabric

### Performance Fabric Collection

<table>
<thead>
<tr>
<th>Shade Fabric</th>
<th>Openness Factors</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spec Grade Solar Screens</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• E Screen — THEIA™</td>
<td>See below*</td>
<td>A specification grade, 2x2 basketweave made from PVC coated fiberglass — available in ten different colors</td>
</tr>
<tr>
<td>• E Screen with KOOLBLACK™ Technology — THEIA</td>
<td>See below*</td>
<td>A specification grade, 2x2 basketweave with higher solar reflectance values made from PVC coated fiberglass — available in five darker colors</td>
</tr>
<tr>
<td>• M Screen — THEIA</td>
<td>See below*</td>
<td>A specification grade, 1x2 basketweave made from PVC coated fiberglass — available in nine different colors</td>
</tr>
<tr>
<td>• T Screen with KOOLBLACK Technology — THEIA</td>
<td>See below*</td>
<td>A specification grade, dual-sided, twill weave made from PVC coated fiberglass with higher solar reflectance values — available in five darker colors</td>
</tr>
<tr>
<td>• Basketweave 90</td>
<td>1%, 3%, 5% (approximate**)</td>
<td>A 2x2 basketweave made from PVC coated fiberglass — available in nine different colors</td>
</tr>
<tr>
<td>• Basketweave 90 Silver</td>
<td>1%, 3%, 5% (approximate**)</td>
<td>A 2x2 basketweave made from PVC coated fiberglass with a metalized backing and higher solar reflectance values — available in nine different colors</td>
</tr>
<tr>
<td>• Basketweave 27</td>
<td>1%, 3%, 5% (approximate**)</td>
<td>A dual-sided, twill weave made from PVC coated fiberglass with higher solar reflectance values — available in five different colors</td>
</tr>
<tr>
<td>• Sheerweave 4900</td>
<td>1%, 3% (approximate**)</td>
<td>A dual-sided, twill weave made from PVC coated fiberglass with higher solar reflectance values — available in thirteen different colors</td>
</tr>
<tr>
<td>• SilverScreen (Basketweave Silver)</td>
<td>4% (approximate**)</td>
<td>A 1x2 basketweave made from PVC coated fiberglass with a metalized backing and higher solar reflectance values — available in ten different colors</td>
</tr>
<tr>
<td>• SheerLite</td>
<td>3%, 5% (approximate**)</td>
<td>A 2x2 basketweave made from PVC coated polyester — available in six different colors</td>
</tr>
</tbody>
</table>


** Actual performance may vary by +/- 2% or more in openness factor. For performance-critical applications, use a fabric that meets the THEIA Performance Specification.
### Sustainable Solar Screens

- **GreenScreen®**
  - **Evolve™**
  - Openness Factors: 1%, 3%, 5% (approximate**)
  - Description: A Cradle to Cradle Certified Silver warp knit fabric made from PVC free polyester woven from recycled content — available in nine different colors

- **Basketweave Eco2**
  - Openness Factors: 3%, 5% (approximate**)
  - Description: A 2x2 basketweave made from PVC free, recycled Thermoplastic Olefin — available in nine different colors

- **Duotone**
  - Openness Factors: 6% (approximate**)
  - Description: A dual-sided warp knit fabric made from PVC free polyester — available in four different colors

### Blackouts

- **Value Premiere**
  - Openness Factors: Blackout 0%
  - Description: A dual-sided, PVC free polyester blackout fabric — available in eight different colors

- **Avila**
  - Openness Factors: Blackout 0%
  - Description: A dual-sided, PVC free polyester blackout fabric — available in eight different neutral colors

- **Standard**
  - Openness Factors: Blackout 0%
  - Description: An economical PVC coated fiberglass blackout fabric — available in six different colors

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Please reference the Lutron Performance Shading Advisor and/or the Shade Configuration Tool (SCT) for up-to-date fabric performance specifications and availability at [www.PerformanceShadingAdvisor.com](http://www.PerformanceShadingAdvisor.com).

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**Hembar and accessories** — Note: Fabric may not be compatible with all hembar options

- Designer hembar
- Sealed hembar
- Architectural hembar
- Exposed hembar
Select the drive unit and top treatment

### Electronic drive unit selection

<table>
<thead>
<tr>
<th>Tube size</th>
<th>Typical maximum window size</th>
<th>Bracket options</th>
</tr>
</thead>
<tbody>
<tr>
<td>roller 64™</td>
<td>1.625 in. (41 mm)</td>
<td>Universal</td>
</tr>
<tr>
<td></td>
<td>8 ft. x 8 ft. (or up to 64 sq. ft.)</td>
<td>Dual</td>
</tr>
<tr>
<td>roller 100™</td>
<td>2.5 in. (64 mm)</td>
<td>Wall</td>
</tr>
<tr>
<td>roller 150™</td>
<td></td>
<td>Ceiling</td>
</tr>
<tr>
<td>roller 300™</td>
<td></td>
<td>Jamb</td>
</tr>
<tr>
<td>roller 225™</td>
<td>3.75 in. (95 mm)</td>
<td>Jamb</td>
</tr>
<tr>
<td></td>
<td>15 ft. x 15 ft. (or up to 225 sq. ft.)</td>
<td>Dual</td>
</tr>
</tbody>
</table>

1.625 in. (41 mm)

Product specification drawings are available for download on www.lutron.com/CAD.
Top treatment options

Fascia and top back cover†
(round and square fascia)

Pocket

Dual pocket

<table>
<thead>
<tr>
<th>Private Office</th>
<th>Conference Room</th>
<th>Open Office</th>
</tr>
</thead>
</table>

Lutron Compatible Shade Pocket by Armstrong®

Model number AXP355L (3-Sided Lutron Perimeter Pocket) shown.

† (available in bronze, silver, black, white, and custom)
### Power options for roller shades

<table>
<thead>
<tr>
<th>All 120V</th>
<th>Plug-in</th>
<th>J-box</th>
<th>Panel*</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /></td>
<td><img src="image3.png" alt="Image" /></td>
<td><img src="image4.png" alt="Image" /></td>
</tr>
<tr>
<td>Sivoia® QS</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Sivoia QS Wireless</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Powers number of shades</td>
<td>1+1 keypad</td>
<td>1+1 keypad</td>
<td>10 + up to 10 keypads</td>
</tr>
<tr>
<td>Peak current consumption</td>
<td>1.2 A</td>
<td>1.2 A</td>
<td>10 A per panel</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Width: 2.75 in (70 mm) Length: 4 in. (102 mm) Depth: 1.2 in. (31 mm)</td>
<td>Width: 4.10 in. (104 mm) Length: 4.3 in. (109 mm) Depth: 1.40 in. (36 mm)</td>
<td>Width: 10.4 in. (264 mm) Length: 17.5 in. (445 mm) Depth: 4.2 in. (106 mm)</td>
</tr>
<tr>
<td>Wiring distance 12 AWG</td>
<td>250 ft.</td>
<td>250 ft.</td>
<td>500 ft.</td>
</tr>
<tr>
<td>16 AWG</td>
<td>100 ft.</td>
<td>100 ft.</td>
<td>200 ft.</td>
</tr>
<tr>
<td>18 AWG</td>
<td>50 ft.</td>
<td>50 ft.</td>
<td>125 ft.</td>
</tr>
</tbody>
</table>

* = Available

*Panel shown is QS Smart Panel (QSPS-10PNL)
Maximum of one panel per 15A circuit, two panels per 20A circuit.*
Wiring diagrams

1 For more information, refer to the QS Link Power Draw Unit Specification Submittal (P/N 369405)
Select the controls

1 Fabric  2 Drive  3 Power  4 Controls

Control options for roller shades
Lutron offers control options to complement our roller shading solutions or for integrated control of Lutron lighting and shade solutions.

**Pico® Wireless Control**
Versatile, easy-to-use wireless controls offer hand-held, wall-mount, or tabletop options for control from anywhere in your space, at the touch of a button. Pico wireless controls program and reprogram in seconds to set or adjust shade presets.

**GRAFIK Eye® QS**
Customizable control system allows you to set timeclock events or preprogrammed scenes for common room tasks. You can also easily adjust shades and lights to improve comfort and enhance room performance.

**seeTouch® keypads**
Featuring large, easy-to-use buttons and backlighting for readability, seeTouch keypads are available in a wide variety of button configurations, colors and finishes for integrated scene control of your entire lighting and shading system.

**Palladiom™ keypads**
Elegant controls offer buttons and faceplates that are flush to each other and are made of one consistent material to create a clean, minimalist look, architectural aesthetic and intuitive operation. Offered in many colors and finishes including metal and glass, controls are available for lights and shades.

Note: Lutron has options for integration with third-party controls. Please contact Lutron for all control and system capabilities.
Hyperion™ Solar Adaptive Shading

A key feature of Lutron’s Quantum Total Light Management™ system, Hyperion automatically adjusts Sivoia® QS shades* throughout the day according to the position of the sun. This provides effective daylighting to reduce glare and heat gain throughout the day, and maximize comfort and productivity.

Customized shade adjustment schedules are developed by combining information about the building such as location and facade orientation.

**Direct Sun:** Shades lower to keep the sun’s rays from penetrating your work area

![Direct Sun Diagram](image1)

**Reflected Sun:** Shades close to block reflections from large surfaces

![Reflected Sun Diagram](image2)

**Bright Sky:** Shades move to a predetermined position to minimize the contrast from the bright sky

![Bright Sky Diagram](image3)

**Overcast/Dark:** Shades open to maximize views and available daylight when overcast or when in a shadow

![Overcast/Dark Diagram](image4)

* Only Sivoia QS wired roller shades work with Hyperion solar adaptive technology

Radio Window Sensor is a new addition to the Quantum® Total Light Management™ system. Working in conjunction with Hyperion solar-adaptive technology, this sensor maximizes views and available daylight by overriding Hyperion and keeping shades open when there are cloudy conditions or shadows from neighboring buildings, and closing shades in overly bright conditions.
Experience Center locations

Lutron experience centers showcase the company’s broad offering of lighting controls and shading solutions. Schedule a tour today to show your customers how Lutron solutions can enhance any space and save energy.

Washington D.C.
455 Massachusetts Avenue, NW, Suite 770
Washington, D.C. 20001
Contact: dcexperience@lutron.com | 202.624.5700

New York, New York
1 Penn Plaza, Suite 1714
New York, NY 10119
Contact: nycspec@lutron.com | 212.989.1300

Coopersburg, Pennsylvania
7200 Suter Road
Coopersburg, PA 18036
Contact: paexperience@lutron.com | 610.282.6280
Irvine, California
2458 Dupont Drive
Irvine, CA 92612
Contact: caexperience@lutron.com | 949.474.4140

Plantation, Florida
101 NW 100th Avenue
Plantation, FL 33324
Contact: flexperience@lutron.com | 954.577.6294

Toronto, Canada
600 Cochrane Drive, Suite 105
Markham, Ontario L3R 5K3
Contact: torexperience@lutron.com | 905.754.3300
Additional shades resources

**Performance Shading Brochure**
P/N 367-2502
Overview of Lutron’s new Performance Shading Advisor and fabric collection. Details the importance of fabric selection for reducing glare, maximizing daylight, and preserving view.

**Daylight Autonomy Brochure**
P/N 367-2464
Daylight autonomy is a new term for an ancient practice. This brochure details Lutron’s Daylight Autonomy solution and energy savings information.

**Commercial Shading Solutions Brochure**
P/N 367-2346
Overview of Lutron’s commercial shades message and introduction to Daylight Autonomy, automated shade benefits, components, and styles.

**Shading Solutions Product Guide**
P/N 367-1455
Specifier’s complete resource for Lutron shading systems.

**Hyperion™ End User Sheet**
P/N 367-2538
A customer’s guide to basic Hyperion functionality, manual override options, and FAQs.

**Radio Window Sensor Sell Sheet**
P/N 367-2378
Introduction to Lutron’s Radio Window Sensor, how it works, and sensor grouping options.