



shading solutions | Sivoia QED® overview

At Lutron, our belief in innovation has made us the world leader in light control.

Lutron pioneered the invention of the first solid-state dimmer in 1961 and the invention of the first ultra-quiet precision-controlled roller shade in 2000. Our innovative approach to design, and our commitment to pushing the boundaries of convention have made Lutron the first choice for the finest residences and buildings in the world.

Lutron holds over 250 patents and manufactures more than 15,000 products. For over 40 years, Lutron has exceeded the highest standards of quality and service. Every one of our products is quality-tested before it leaves the factory to ensure the highest level of reliability.

Our belief in delivering value to the customer is what has kept us strong. Lutron thrives because it delivers regional, specialized service on a global scale and engineers solutions to meet the unique needs of each customer.

With a full line of shading solutions, Lutron has opened a new world of possibilities by seamlessly integrating electric and daylight control with a focus on innovation, world-class engineering, and customer service. Lutron blends technology with design and environmental sensitivity to provide the ideal solution for total light control.



Bank of China, Beijing



private residence, France



Unilever Building, London



Table of contents

Sivoia QED quiet electronic drive	02	System overview	12
Product families	03	seeTouch® keypads	14
Roller shade overview	04	Keypad color options.....	15
Fabric specification	06	Total light control residential	16
NEW The Gallery Collection by Lutron®	08	Total light control commercial.....	18
NEW Sivoia QED skylight shade.....	09	The Lutron difference.....	20
NEW Drapery track system	10		



Sivoia QED electronic drive unit

Sivoia QED (quiet electronic drive) offers ultra-quiet, precision control of roller shades, drapery track, skylight shades, and Roman shades. This intelligent, low-voltage system provides smooth, uniform movement, consistent bottom bar alignment across multiple shades, and superior

performance. Elegant Lutron® wall controls make it simple and convenient to operate window treatments, and Sivoia QED systems can seamlessly integrate with other Lutron lighting controls for total light control in a space.



Intelligent processor affords two-way communication for flexibility, programming, and integration with Lutron lighting controls.

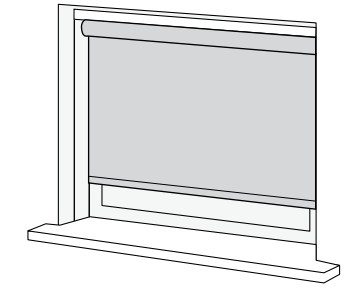
Precision motor and gear design ensures ultra-quiet operation and smooth, even movement.



Roller shades

Roller shade systems can seamlessly integrate with Lutron® lighting controls to provide total control of light in any space.

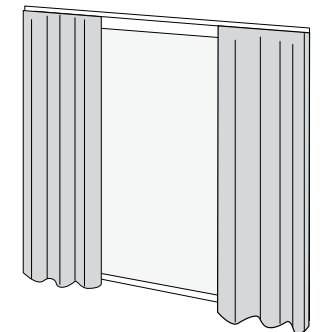
- Ultra-quiet operation
- Uniform precision movement of multiple shades
- Minimal, symmetrical light gaps
- Convenient one-touch control from elegant keypads and intuitive handheld remotes



Drapery track systems NEW

In addition to roller shades, the Sivoia QED line also includes drapery track systems for pinch-pleat and ripple fold drapery panels.

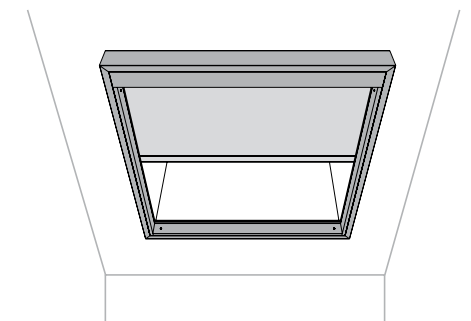
- Quiet, precise control
- Left-, right-, and center-draw drapery tracks
- Single or dual drapery tracks available
- Straight and custom-curved tracks



Skylight shade NEW

The new skylight shade combines Sivoia QED technology with a new patent-pending tension system. Fabric is kept taut and parallel to skylight regardless of slope. Reliably control daylight through skylights to enhance the visual environment and save energy by reducing heat gain.

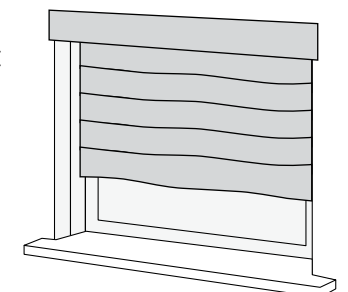
- Inside, recessed, and outside mounting options allow system to fit any application
- Pre-assembled shipping available to maximize installation convenience



Roman shades

Choose from a broad selection of natural woven woods and exclusive designer fabrics that have been selected to complement the Lutron Satin Colors® line of lighting controls.

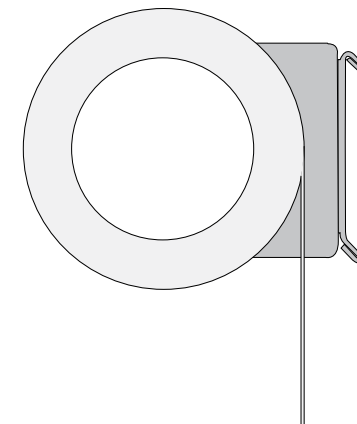
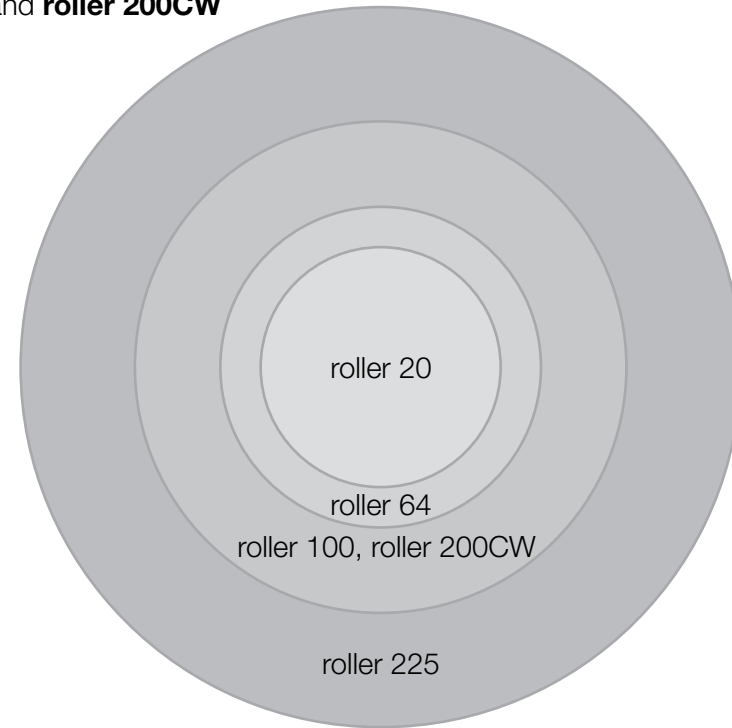
- Elegant movement and precise control
- Decorative pleats and flat or soft folds





roller 225™
roller 100™ and roller 200CW
roller 64™
roller 20™

Actual size
 tube sizes



roller 100™

Designed for windows approximately 10 ft. (3048 mm) wide

Tube size: 2.56 in. (65 mm) diameter
 Pocket size: 4.75 in. w x 5.0 in. h (121 mm w x 127 mm h)
 Typical maximum size: 100 sq. ft. (9.29 sq. m)

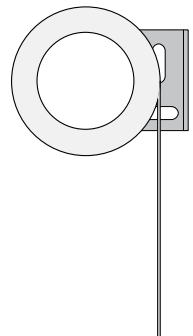
Minimum bracket-to-bracket width: 24 in. (610 mm)
 Maximum bracket-to-bracket width*: 10 ft. (3048 mm)

roller 200CW

Features gradual movement for large shades and coupling capability for up to 6 fabric panels

Tube size: 2.56 in. (65 mm) diameter
 Pocket size: 4.75 in. w x 5.0 in. h (121 mm w x 127 mm h)
 Typical maximum system size*: 200 sq. ft. (18.6 sq. m)
 (up to 6 shades, 200 sq. ft. total)

Minimum bracket-to-bracket width: 25 in. (635 mm)



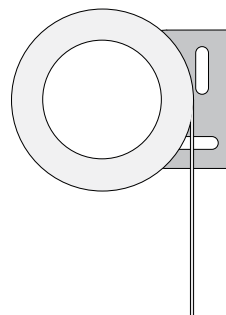
NEW

roller 20

A slim profile and narrow width ideal for shallow residential window frames

Tube Size: 1.25 in. (32 mm) diameter
 Pocket size: 3.5 in. w x 3.5 in. h (89 mm w x 89 mm h)
 Typical maximum size: 20 sq. ft. (1.86 sq. m)

Minimum bracket-to-bracket width: 18.5 in. (470 mm)
 Maximum bracket-to-bracket width*: 6.5 ft. (1981 mm)

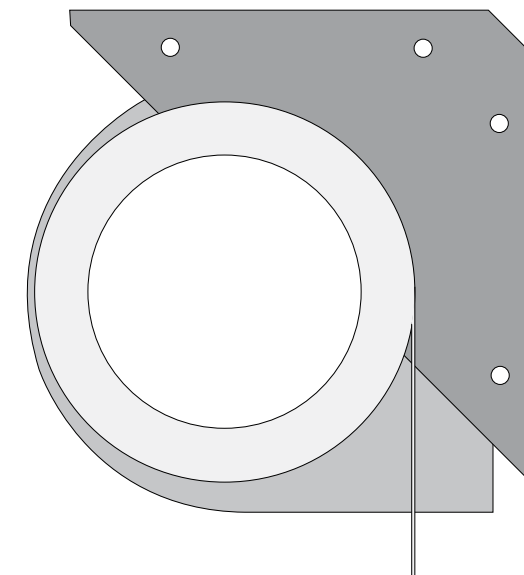


roller 64

Ideal for small- to medium-sized windows (up to 64 square feet in size)

Tube Size: 1.625 in. (41 mm) diameter
 Pocket size: 3.5 in. w x 3.5 in. h (89 mm w x 89 mm h)
 Typical maximum size: 64 sq. ft. (5.95 sq. m)

Minimum bracket-to-bracket width: 18.5 in. (470 mm)
 Maximum bracket-to-bracket width*: 8 ft. (2438 mm)



roller 225™

Provides a heavy-duty bracket and higher torque for much larger applications such as atriums or multi-story windows

Tube size: 3.75 in. (95 mm) diameter
 Pocket size: 7 in. w x 7 in. h (178 mm w x 178 mm h)
 Typical maximum size*: 225 sq. ft. (20.9 sq. m)

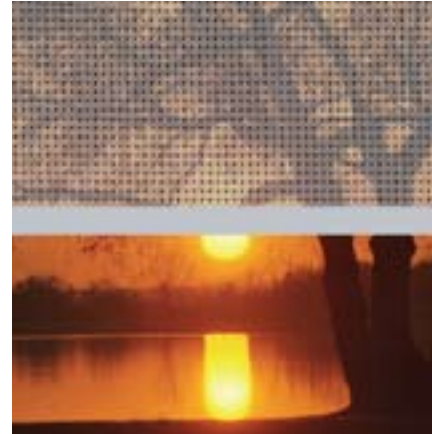
Minimum bracket-to-bracket width: 31.75 in. (806 mm)
 Maximum bracket-to-bracket width*: 15 ft. (4572 mm)

Select the right fabric. Lutron® fabrics are grouped into three categories: SheerShade®, dim-out, and blackout. These provide varying degrees of light control and functionality.

SheerShade

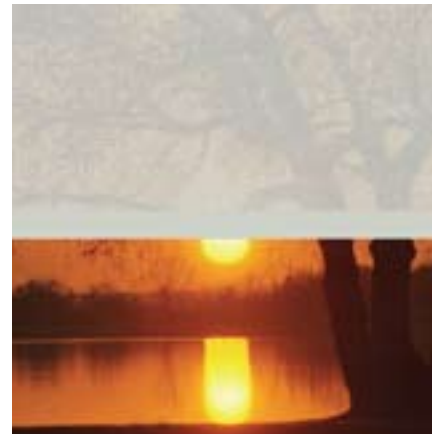
Fabrics feature open weaves, so sunlight is filtered while preserving the view. SheerShade fabrics are measured by “openness factor,” which describes the ratio of open space to fabric yarn in a weave.

SheerShade Designer™ fabrics provide more decorative weave options, such as jacquards that resemble natural woven fabrics.



Dim-out

These fabrics permit some light, but are not open weaves, so the view is limited to shapes and shadows.



Blackout

These fabrics prevent all light from passing through the material. Blackout fabrics are often combined with special side channels, top treatments and other system components to ensure a complete light seal.



Choose the right type of fabric for each application. Consider the following needs in a space.

Maximize view

Lutron® SheerShade® fabrics reduce glare and direct solar exposure without compromising the exterior view. They are available in a range of openness factors to complement different intensities of direct light.



Reduce glare and heat gain

Many Lutron fabrics are designed to reflect as much solar radiation out and away from the window as possible to minimize the build-up of heat inside the building. In addition, the correct fabric can reduce glare, improving contrast on monitors and screens.



Block light

When desired, 100% opaque fabrics are available for applications such as home theaters, bedrooms, or conference rooms. Sivoia QED® systems can also provide side channels to ensure complete blackout.





Style meets technology

Lutron® proudly introduces a new line of designer fabrics for roller shades that combine style with precision control of daylight. The Gallery Collection by Lutron offers a variety of color, texture, and pattern to accent any décor.

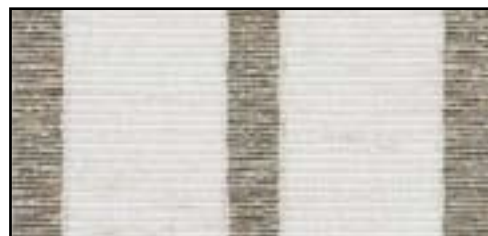
The collection is comprised of three families — burnout, texture, and dim-out fabrics. Enjoy the convenience and precision of Lutron shades with the beauty of The Gallery Collection. Relax knowing that the fabrics are sustainable in order to protect your health and the environment.

Reflect your lifestyle, control daylight, and enjoy style and comfort.

For The Gallery Collection brochure, please refer to P/N 367-1528.



Burnout fabrics



Texture fabrics



Dim-out fabrics

The new skylight shade from Lutron® combines innovative Sivoia QED technology with a newly designed tension system. Fabric is kept taut and parallel to skylight window, regardless of slope. Reliably control daylight through skylights to enhance the visual environment and save energy by reducing solar heat gain.

Aesthetics

- Light-blocking fascia eliminates light gaps around fabric when closed
- Concealed cable guides maximize view through skylight when open
- Wide variety of high performance fabrics to enhance décor

Design

- Unique tension-absorbing frame eliminates stress on the surrounding ceiling structure
- Reliable performance under extreme temperatures is ensured by weld- and seam-free design

Control

- Smooth, quiet, precise movement of skylight shades creates elegant transitions
- One-touch control of hard-to-reach skylight shades through keypad or IR remote
- Seamless integration with other Lutron Sivoia QED products and lighting controls

Installation

- Inside, recessed, and outside mounting options allow system to fit any application
- Pre-assembled shipping available to maximize installation convenience

For more information on the Sivoia QED skylight shade, please refer to P/N 367-1530.



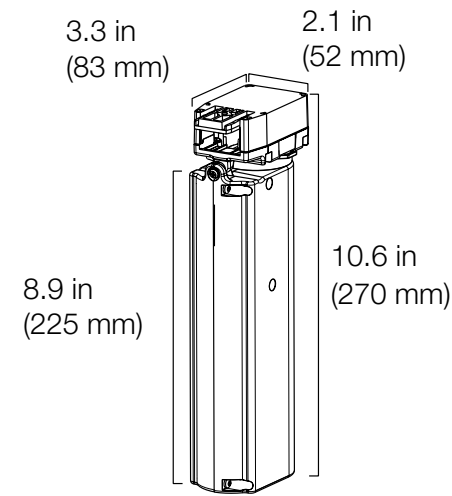
The Sivoia QED drapery track system has a slim profile, ultra-quiet performance, and capacity to operate heavy drapes (up to 105 lb with the D105 drive and 145 lb with the D145 drive). The low-profile drive is hidden behind the drapes, and is not visible in the installation.

Features

- One-touch control of individual or groups of draperies for fully-open, fully-closed, or preset positions
- Patented technology provides ultra-quiet operation
- Integrates seamlessly with Sivoia QED roller shades and Roman shades

Options

- New Manual Open carrier
- Track splicing
- Curved tracks (up to 90° bends)
- Left-draw, right-draw, center-draw, dual, and tandem systems available
- Pinchpleat or ripplefold pleat styles
- White, bronze, and anodized aluminum tracks with color matched endcaps



Drapery track drive dimensions

New products and features

The Lutron® drapery track system family has been greatly expanded to provide you with a complete offering for all of your drapery needs. New drapery track drives and system features allow for longer tracks, single or multiple bend curved tracks, and even manual open capability.

New Products

Sivoia QED® D145 drapery track drive

- Carry heavier drapes (145 pound capacity)
- Control drapes on curved tracks with one or two bends

Handheld remote controls

- Conveniently control drapes from anywhere in the room with new infrared transmitters

New Features

Track Splicing option

- Allows for Lutron drapery tracks up to 30 feet in length using the new track splicing feature (60 feet in spliced, tandem applications)
- Receive drapery tracks in smaller packages for easy transportation to and within the installation site

Manual Open option

- Open drapes manually without the use of power using the new Manual Open carrier

Color-matched endcaps

- New color-matched track endcaps match standard track colors (bronze, white, or anodized aluminum)

Plug-in power options

- Simple wiring for Sivoia QED D105 and D145 drapery tracks with a discrete plug-in power supply



Sivoia QED drapery drive



handheld remote control



track splice



plug-in power supply

For the complete brochure on the Sivoia QED Drapery Track system, please refer to P/N 367-1527.

Sivoia QED system wiring details

- Sivoia QED utilizes 24V~ for power
- Wiring may be centralized utilizing a Sivoia QED power panel, or individual transformers can be installed for a localized wiring scheme

**Sivoia QED power panel
SVQ-10-PNL**

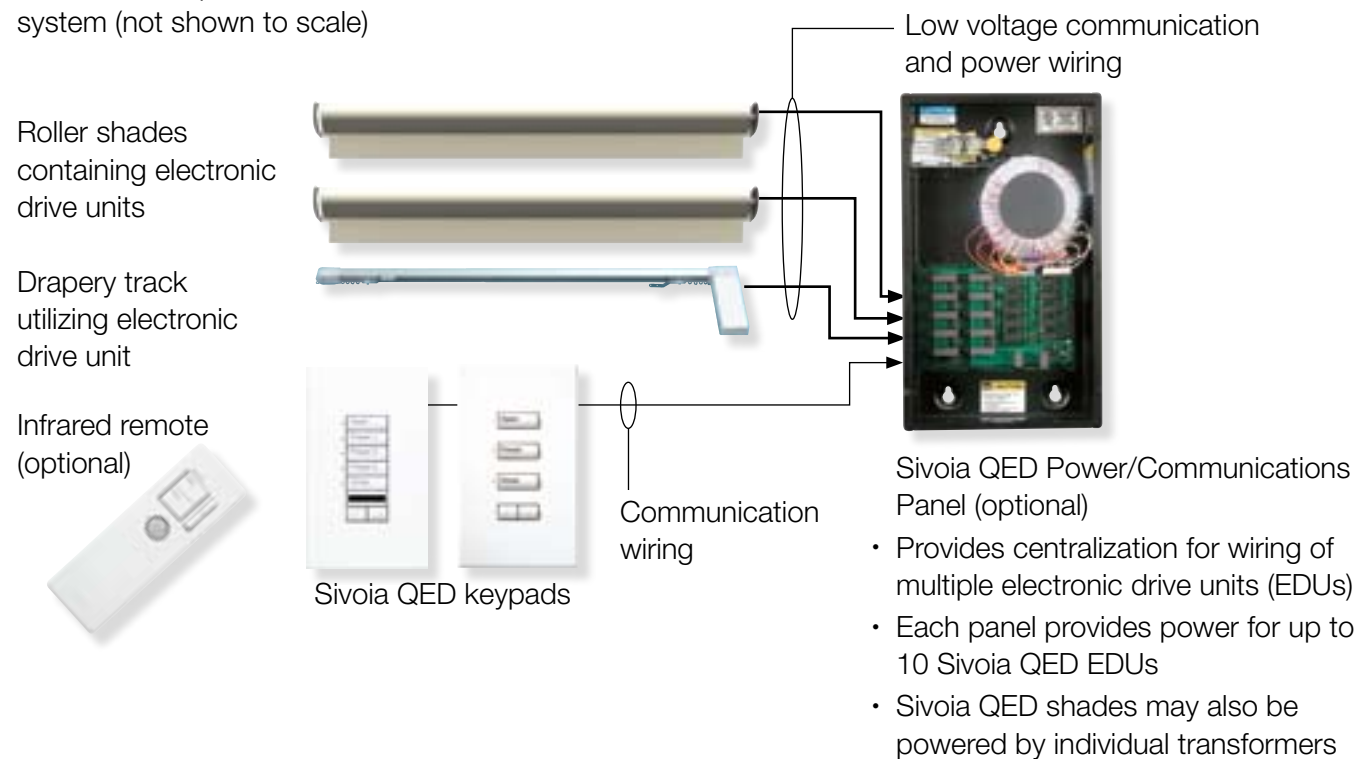
- Provides power and communication wiring for up to 10 Sivoia QED EDUs
- Utilizes a custom seven-conductor combination communication/power cable (SVQ-CBL-250) or specify separate power and communication wiring.
- See the Sivoia QED technical reference guide (P/N 367-592) or visit www.lutron.com for more information

Individual transformers

- For smaller projects, or to more easily accommodate retrofit applications
- Choose from a selection of plug-in and junction-box transformers to power individual Sivoia QED drives
- See the Sivoia QED technical reference guide (P/N 367-592) or visit www.lutron.com for more information.

Sivoia QED system layout

Common components for a Sivoia QED roller shade system (not shown to scale)



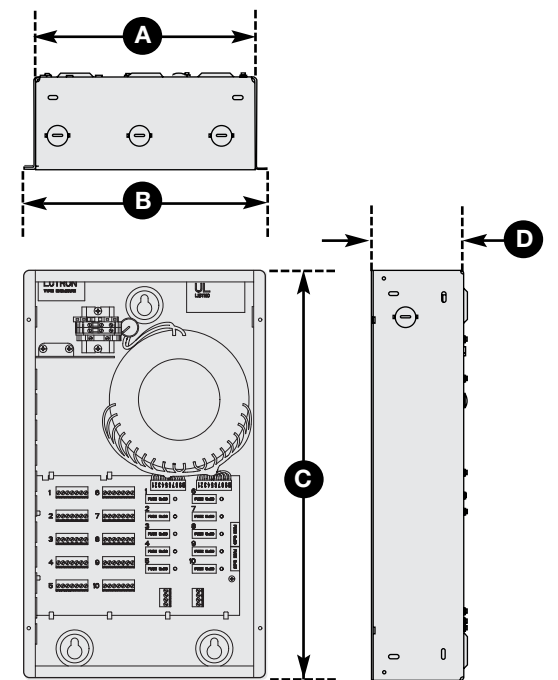
**Sivoia QED power panel
SVQ-10-PNL**

- Provides power and communication wiring for up to 10 Sivoia QED drives
- Utilizes a custom seven-conductor combination communication/power cable (SVQ-CBL-250) or specify separate power and communication wiring

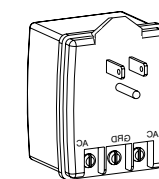
See the Sivoia QED technical reference guide or visit www.lutron.com/shadingsolutions for more information.

Dimensions

- A** 10.3 in. (262 mm)
- B** 9.5 in. (241 mm)
- C** 17.5 in. (445 mm)
- D** 3.9 in. (99 mm)

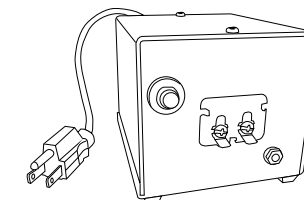


Sivoia QED individual transformers



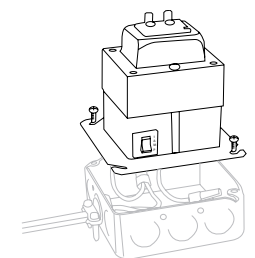
**50VA plug-in transformer
SV-50SF-PI**

Roller shades: up to 50 square feet of fabric
Drapery track: 105 lb or 145 lb drapery track system, maximum wire length of 50 ft
Dimensions:
 Width: 2.4 in. (66 mm)
 Length: 2.9 in. (73 mm)
 Depth: 1.8 in. (44 mm)



**95VA plug-in transformer
SV-100SF-PI**

Roller shades: up to 225 square feet of fabric
Drapery track: 105 lb or 145 lb drapery track system
Dimensions:
 Width: 3.9 in. (100 mm)
 Length: 3.8 in. (96 mm)
 Depth: 4.9 in. (126 mm)



**75VA junction-box mount transformer
SV-100SF-JBOX**

Roller shades: up to 225 square feet of fabric
Drapery track: 105 lb or 145 lb drapery track system
Dimensions:
 Width: 4 in. (103 mm)
 Length: 3.5 in. (88 mm)
 Depth: 4 in. (103 mm)



Elegant seeTouch keypads complement any décor

Choose from several keypad styles and over 40 colors and finishes including metals.

Sivoia QED® keypads offer ergonomic, backlit buttons for easy viewing in a darkened room. Integrate with Lutron lighting controls for total light control of electric light and daylight.

Easy to use remote controls

Easily control one shade or drape or a whole group of shades and/or drapes with convenient handheld remote controls.



(not actual size)

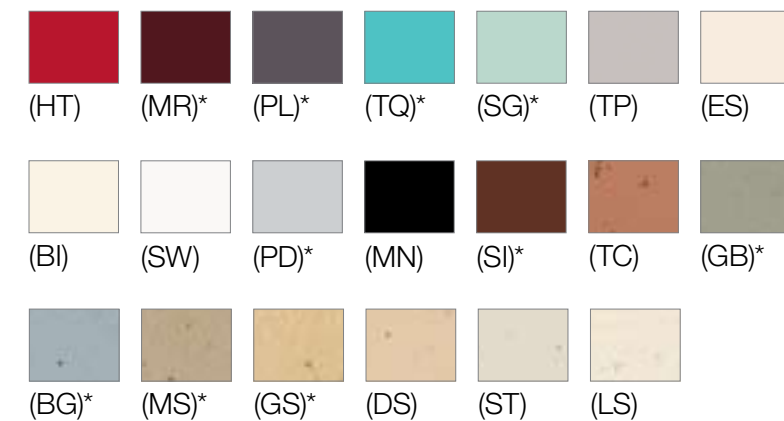
designer gloss finish palette

- | | |
|-------------------|------------|
| (WH) White | (BR) Brown |
| (IV) Ivory | (GR) Gray |
| (AL) Almond | (BL) Black |
| (LA) Light Almond | |



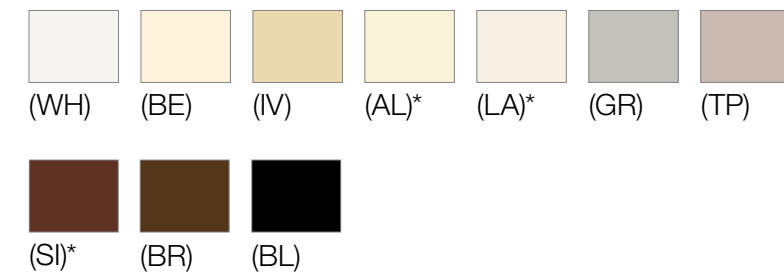
designer satin finish palette

- | | |
|-----------------|-------------------|
| (HT) Hot | (SI) Sienna* |
| (MR) Merlot* | (TC) Terracotta |
| (PL) Plum* | (GB) Greenbriar* |
| (TQ) Turquoise* | (BG) Bluestone* |
| (SG) Sea Glass* | (MS) Mocha Stone* |
| (TP) Taupe | (GS) Goldstone* |
| (ES) Eggshell | (DS) Desert Stone |
| (BI) Biscuit | (ST) Stone |
| (SW) Snow | (LS) Limestone |
| (PD) Palladium* | |
| (MN) Midnight | |



architectural matte finish palette

- | | |
|--------------------|--------------|
| (WH) White | (GR) Gray |
| (BE) Beige | (TP) Taupe |
| (IV) Ivory | (SI) Sienna* |
| (AL) Almond* | (BR) Brown |
| (LA) Light Almond* | (BL) Black |



metal finishes palette

- | | |
|-------------------------------|--------------------|
| (SB) Satin Brass | (QB) Antique Brass |
| (BB) Bright Brass | (QZ) Antiq. Bronze |
| (BC) Bright Chrome | (SC) Satin Chrome |
| (CLA) Clear Anodized Aluminum | (SN) Satin Nickel |
| (BLA) Black Anodized Aluminum | (BN) Bright Nickel |
| (BRA) Brass Anodized Aluminum | (AU) Gold |

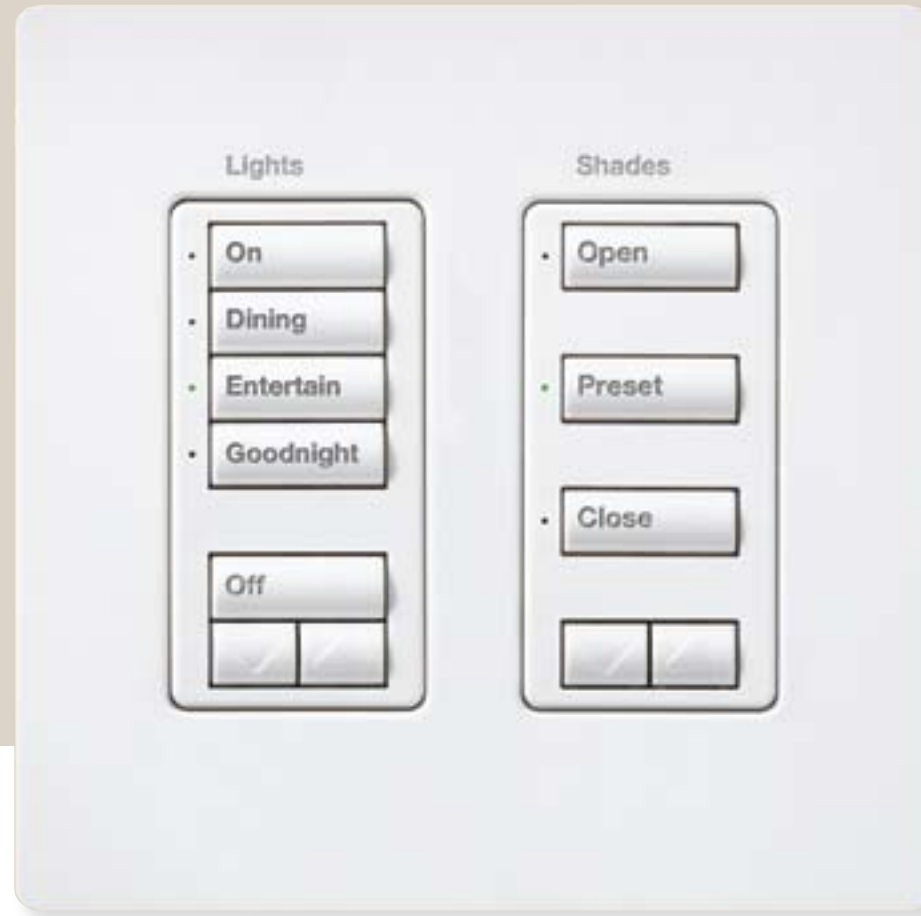


Stainless Steel



Color samples shown are representations only. See product samples for exact finishes, and ask your Lutron sales representative for color availability.

* Note: Non-standard color offering. Contact Customer Service for additional information.



Designer-style keypad
(shown actual size)

Convenience and elegance

Seamlessly integrate shades and draperies with Lutron® lighting control systems throughout the home. Adapt electric lights and daylight to the perfect level for relaxing, watching a movie, or reading a book. Control all the light using seeTouch® controls available in a wide variety of colors and finishes.

Single room

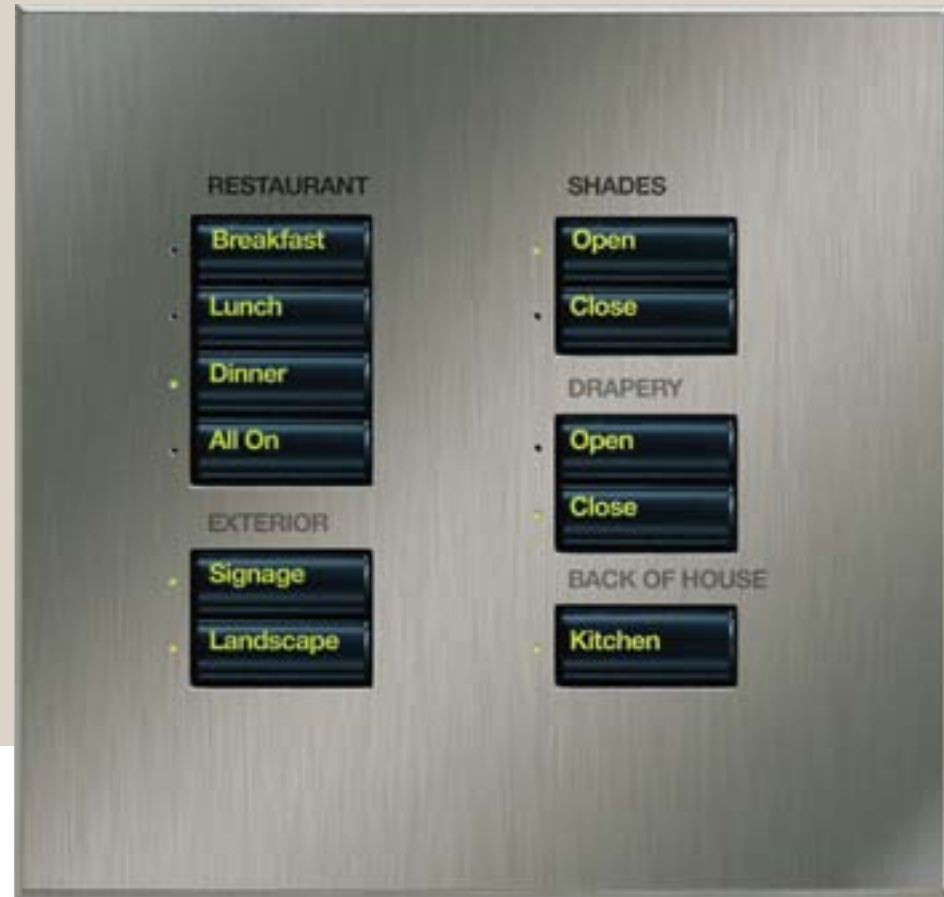
Lutron preset lighting control systems or dimmers offer control of the light in any area of the home. One button press can adjust lighting or shades with subtle or dramatic transitions.

- Home theater
- Bedroom
- Living room

Whole home

Expand one-touch control to the entire home with Lutron HomeWorks® and RadioRA® lighting control systems. Integrate with A/V, security and other home systems. Simplify daily routines, add comfort and convenience, and enhance security, all at the touch of a button.





Architectural-style keypad
(shown actual size)

Flexible integration

Make a space as productive as possible with one-touch control of both electric and daylight. Keep presentations moving smoothly with intuitive keypads. Maximize HVAC efficiency throughout an entire building with automated adjustment of shades and lighting.

Single space

Bring integrated control of lighting, shading systems, and projection screens to presentation spaces and classrooms. Lutron® preset lighting control systems, such as GRAFIK Eye®, are simple to use and can be easily retrofitted into any space.

- Conference room
- AV presentation space
- Classroom

Whole building

Control lighting and shading in any space or throughout the entire building with Lutron controls, such as GRAFIK® systems or Quantum™. Lighting for restaurants, hospitality spaces, and corporate areas can be easily controlled and adjusted.

- Reduce glare and eye fatigue
- Maximize HVAC efficiency
- Increase productivity





Aesthetics

Minimal, symmetrical light gaps

Sivoia QED roller shade systems offer light gaps of .75 inch per side.

Elegant control options

Lutron® controls are designed to match the high-end look and feel of today's premiere working and living spaces and are available in a wide variety of colors and finishes, including metals.

Wide array of fabrics

Lutron shading systems are available in sheer, dim-out, and blackout fabrics to suit any function or aesthetic need, including many PVC-free and sustainable fabric choices.

Flexibility and performance

Limits and presets never lost

Limits and preset shade positions are electronically precision-set and locked, providing power failure memory for the entire product lifetime. These limits and presets will never slip regardless of age, electrostatic discharge, or power failure.

Sustainable design and LEED™

Lutron shading and lighting controls may contribute to obtaining up to 20 points in 5 of 6 LEED credit categories.



System warranty and support

Sivoia QED systems come with an 8-year limited warranty, plus optional extended service. Lutron has factory-employed field service engineers throughout the world and is the only lighting control or shade systems manufacturer in the world with a 24-hour, 7 days a week technical support center.

Control

Ultra-quiet electronic drive

The Sivoia QED® system is low-voltage and operates at a near-silent level (rated at less than 44 dBA at three feet). Shades move smoothly and stop at preset positions with no audible clicks.

Intelligent hembar alignment™

All shades in a Sivoia QED system will track together and stop at programmable preset positions to within .125 inch. By utilizing intelligent hembar alignment, roller 20™, roller 64™, roller 100™, and roller 225™ shade systems will move and track together, even though they use different size roller tubes.

Built-in infrared capability

All Sivoia QED systems ship from the factory ready to receive infrared control signals.

Total light control

Lutron lighting control systems integrate with Sivoia QED shades, offering intuitive control of both electric light and daylight.

Installation

Simple reconfiguration

The Sivoia QED system can easily be reconfigured, limits can be changed, and presets can be reprogrammed without rewiring by using the remote, keypad, or electronic drive unit (EDU).

Simplified wiring

Sivoia QED shading systems do not require any group controllers, relays, or line-voltage wiring between electronic drive units. Wiring can be simplified by using an optional Sivoia QED power panel, allowing all system wiring to be run to one convenient location.

Lutron® has been the world's leading manufacturer of lighting controls and systems for more than 45 years. With the addition of shading solutions, Lutron has opened up a new world of possibilities by seamlessly integrating electric and daylight control with a focus on innovation, world-class engineering, and customer service. Lutron blends technology with design and environmental sensitivity to provide the ideal solution for total light control.



www.lutron.com/shadingsolutions

Lutron Electronics Co., Inc.
7200 Suter Road
Coopersburg, PA 18036-1299

World Headquarters +1.610.282.3800
Technical Support Center 1.800.523.9466
Customer Service/Quotes 1.800.446.1503
Email: shadinginfo@lutron.com

© 01/2009 Lutron Electronics Co., Inc.
P/N 367-1373 REV B

