

Sivoia QED™
(quiet electronic drive)
architectural shading solutions



 **LUTRON**®

roller blind systems
curtain track systems

Innovations in daylight management

Lutron® has been the world's leading manufacturer of lighting control systems for over 40 years. Now, Lutron has opened up a new world of possibilities by seamlessly integrating electric and daylight control systems with a focus on innovation, world-class engineering, and customer service. We blend technology with design and environmental sensitivity to provide the ideal solution for any specification. This catalogue covers the wide range of roller blind and curtain products in our Sivoia QED™ (quiet electronic drive) family. In addition, Lutron also provides manual shading systems (see www.lutron.com).

Quality and performance

The Sivoia QED family of roller blind and curtain systems

- Offer touch-of-a-button convenience
- Provide near-silent performance
- Operate smoothly and in perfect alignment
- Reduce glare and protect furnishings from U/V damage
- Are easily installed in new or existing spaces
- Are custom manufactured

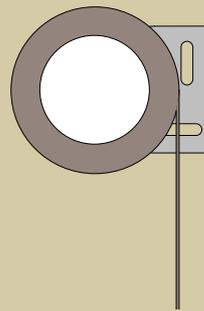
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For more in-depth technical information, please visit www.lutron.com and/or consult the Sivoia QED technical reference guide (P/N E-367-1101/EA, .PDF available online).



Engineered for elegant, precise performance

- Electronic drive unit located within roller tube
- Near-silent performance (44dBA at 1 meter)
- Built-in intelligence allows for flexible control of groups of roller blinds without special wiring or external group controllers
- NEW - systems as narrow as 470mm bracket-to-bracket
- Multiple roller blinds move precisely and evenly to programmable stop points where bottom bar alignment is maintained to within 3mm
- Minimal, symmetrical light gaps (19mm) between edge of fabric and window frame for optimum light control
- Elegant keypads with back-lit, engraved buttons available in a wide variety of colours and finishes (see p. 18)



Roller 64™

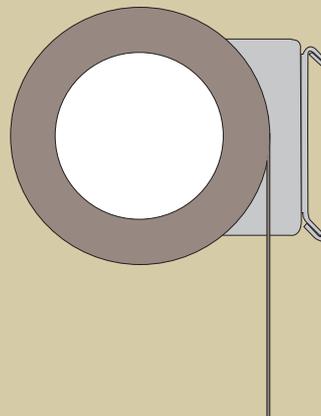
The smallest Sivoia QED electronic drive

Tube size: 41mm diameter

Top box size: 89mm x 89mm

Maximum roller blind: 6m²

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Roller 100™

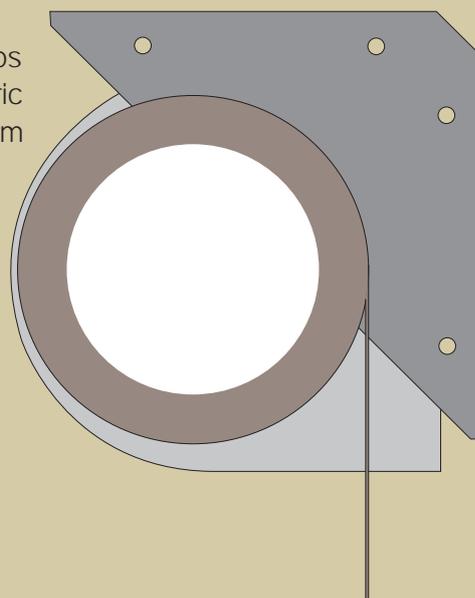
A larger system that still offers all the same quiet operation, intelligence, and precision

Tube size: 64mm

Top box size: 121mm x 127mm

Maximum roller blind: 10m²

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Roller 225™

A more robust system for much larger applications such as atriums or multi-story windows

Tube size: 95mm

Top box size: 178mm x 178mm

Maximum roller blind: 20m²

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About Lutron®

Lutron has been the world's leading manufacturer of lighting control systems for over 40 years, continually innovating, while offering world-class service and support.

Ultra-quiet electronic drive

The Sivoia QED™ system is low-voltage and operates at a near-silent level (rated at 44 dBA at 1 meter). Blinds move smoothly and stop at preset positions with no audible clicks.

Intelligent hembar alignment™

All blinds in a Sivoia QED system will track together and stop at programmable preset positions to within 3mm. By utilising a unique intelligent hembar alignment enhancement, Roller 64, Roller 100, and Roller 225 roller blind systems will move and track together, even though they use different size roller tubes.

Minimal, symmetrical light gaps

Sivoia QED roller blind systems offer light gaps of 19mm per side.

Simple reconfiguration

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

Limits and presets never lost

Limits and preset positions are electronically precision-set and locked into a 10-year power-failure memory. These limits and presets will never slip regardless of age, electrostatic discharge, or power failure.

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.

Built-in infrared capability

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

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 colours and finishes, including metals.

Wide array of fabrics

Lutron shading systems are available in fabric styles to suit any function or aesthetic need, including many PVC-free fabric choices.

Total light control

Lutron lighting control systems integrate with Sivoia QED roller blinds and curtain track, offering intuitive control of both electric light and daylight.

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 blind systems manufacturer in the world with a 24-hour, 7 days a week technical support center.

To specify Sivoia QED™ systems, consider the following options and product features.

Roller blind systems

- All Sivoia QED drives provide built-in infrared reception capability
- No external group controllers are required
- All Sivoia QED drives feature Intelligent Hembar Alignment™, which allows all Sivoia QED roller blind systems to move at the same speed and stop in alignment, even though they use different size roller tubes

Fabrics

- Lutron® offers a variety of fabrics to suit any application requirements and décor
- Select from a wide range of PVC-free fabrics, ideal for projects being designed with sustainable criteria.

Providing power

- Individual Sivoia QED roller blinds can be powered using plug-in transformers. Groups of roller blinds can be powered by, and communicate with each other via Lutron power panels

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Control options

- Sivoia QED can be controlled by elegant seeTouch™ or euro-style keypads, handheld remotes, or by Lutron lighting control systems for seamless control of all the light in the space

Page 17

Lineals

- Lutron provides top boxes, fascia, side-channels and sill angles to provide blackout conditions when needed
- Lineals available in a range of colours

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Typical components for a Sivoia QED roller blind and curtain track system

(not shown to scale)

Up to 96 devices per system (includes EDUs, keypads and contact closure input interfaces)



Communication wiring

Communication and power wiring



Power/Communications panel (optional)

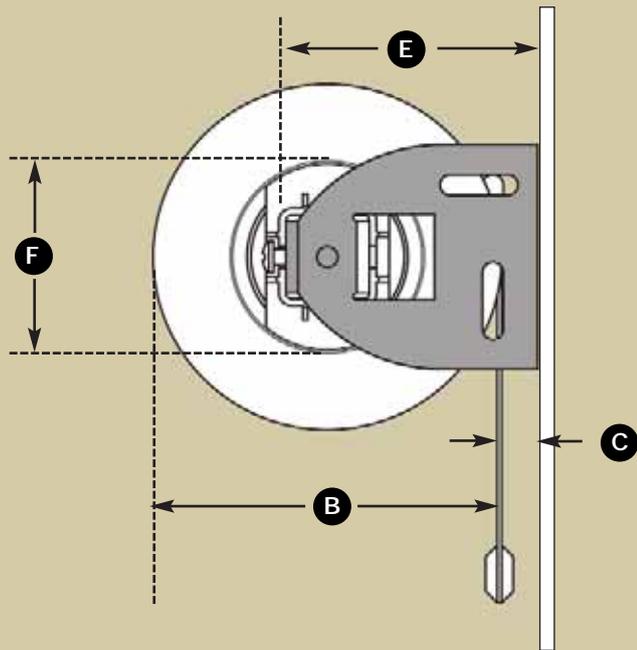
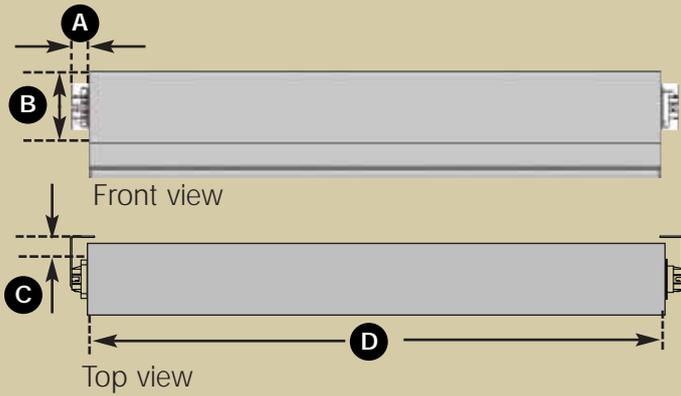
- Provides centralisation for wiring of multiple electronic drive units (EDUs)
- Each panel provides power for up to 10 Sivoia QED EDUs
- Sivoia QED roller blinds may also be powered by individual transformers

Note: Contact Closure Input panels are available to connect to outside systems such as Building Management Systems or touchscreen systems.

System dimensions | roller 64



The roller 64 system utilises a 41mm roller tube to operate up to 6 square meters of fabric.

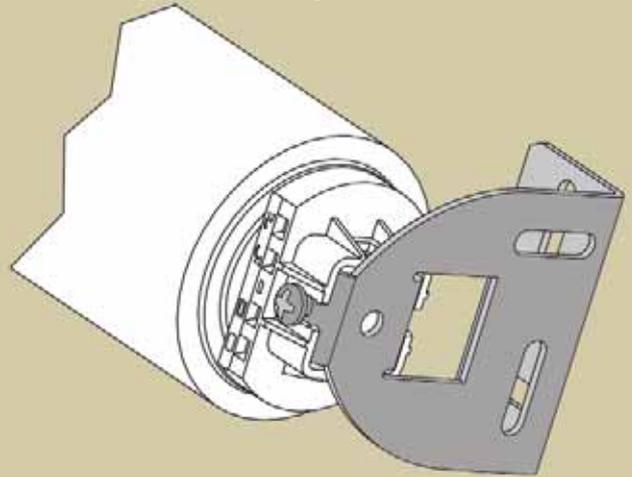


Dimensions

- A** 19mm (0.75 in.) symmetrical
- B** 76mm (3.0 in.) maximum
- C** 8mm (0.3 in.) minimum
- D** 470mm (18.5 in.) minimum
- E** 55mm (2.175 in.)
- F** 41mm (1.625 in.)

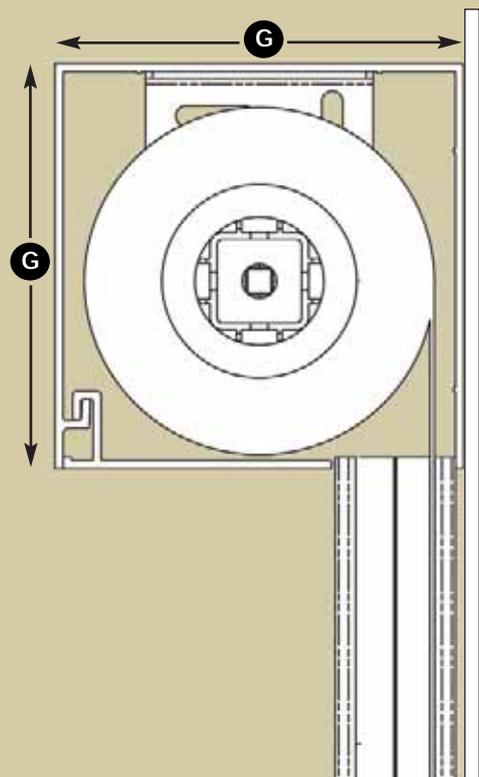
Universal bracket design

- One-piece bracket for simple installation
- Same bracket for left and right side of roller tube
- One bracket for ceiling, wall, and jamb mount
- Roller tube installs with simple, spring-loaded design



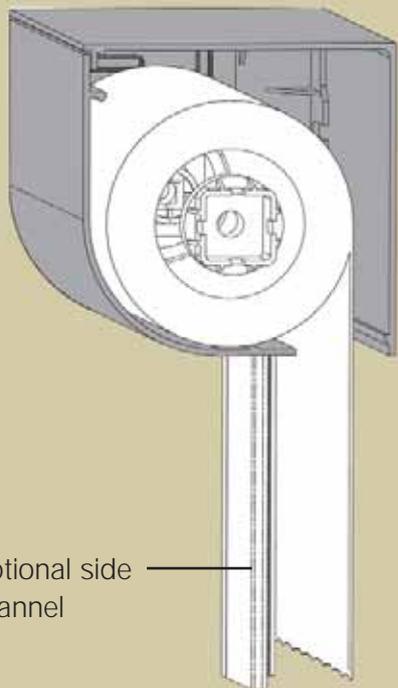
Top box dimensions

Sivoia QED roller 64 will never require more than 89mm height x 89mm depth for installation.

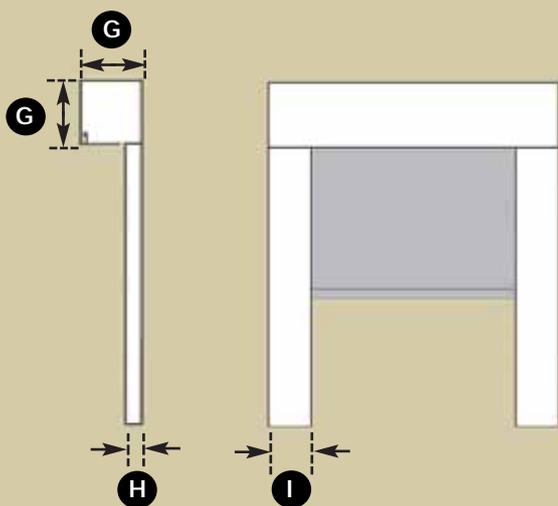


Curved fascia

Sivoia QED™ roller 64 can be installed with a top/back cover and curved fascia for a clean, minimal look. Squared off fascia is also available.



Blackout configuration | roller 64

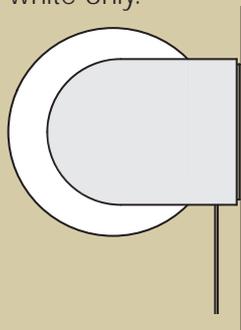


Dimensions

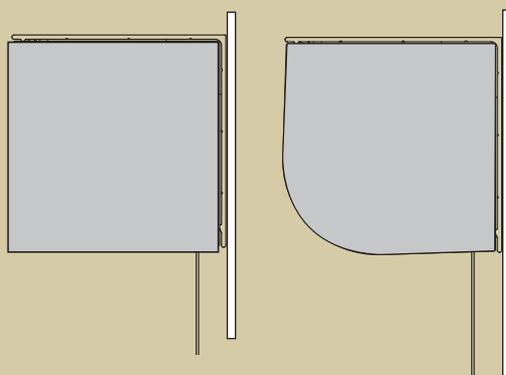
G	89mm (3.5 in.)	J	152mm (6.0 in.)
H	25mm (1.0 in.)	K	178mm (7.0 in.)
I	64mm (2.5 in.)	L	171mm (6.75 in.)
		M	98mm (3.875 in.)

Roller tube end cap

Provide a clean look for a system installed without fascia or top box. Available in white only.



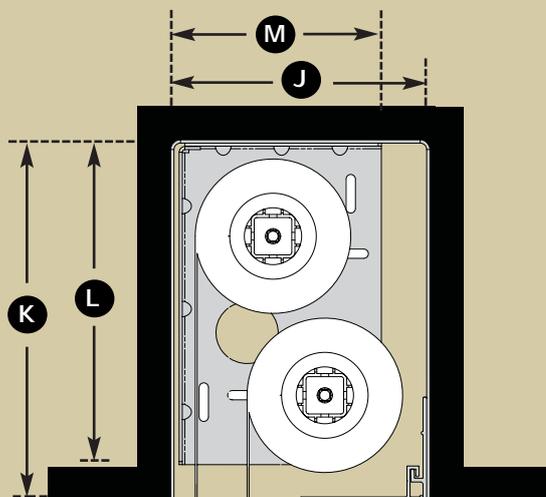
Top box end caps



Finish the look of the Sivoia QED roller 64 standard top box. See p. 23 for colour options.

Dual-mount roller system

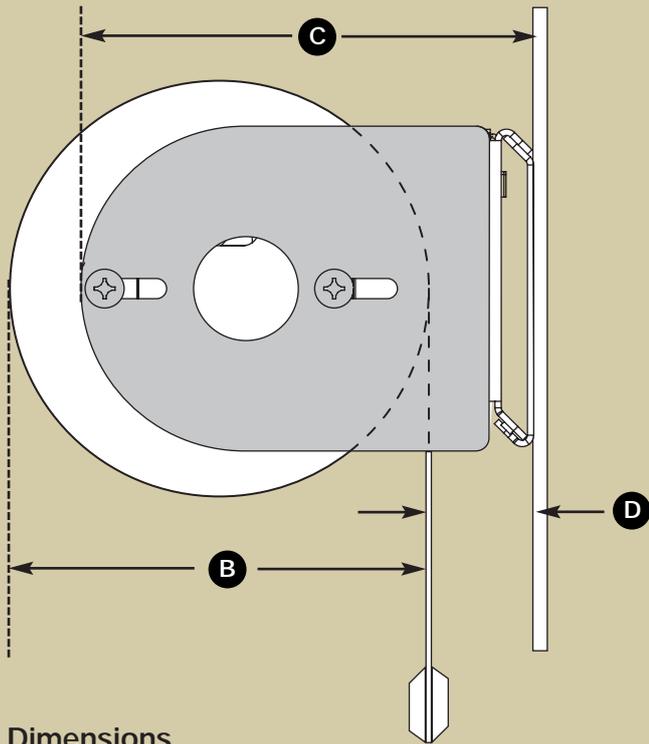
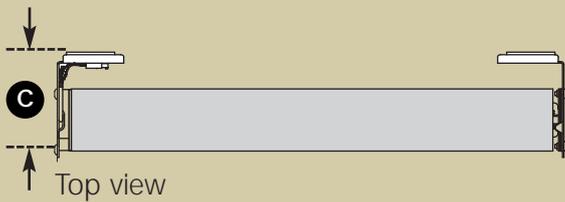
Install two fabric panels over the same window with this compact bracket system.



System dimensions | roller 100



The roller 100 system utilises a 64mm roller tube to operate up to 10 square meters of fabric.

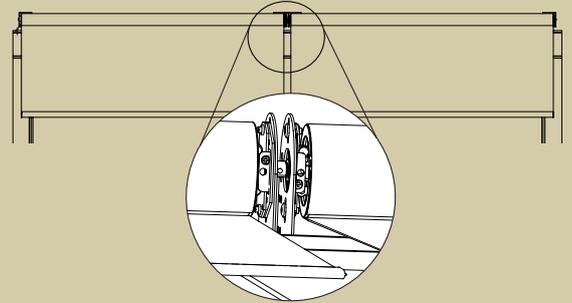


Dimensions

- A** 16mm (0.625 in.) minimum, 19mm (0.75 in.) typical
- B** 102mm (4.0 in.)
- C** 109mm (4.3 in.)
- D** 25mm (1.0 in.)

Coupled roller system | roller 100

Up to three Sivoia QED fabric panels can be coupled, meaning they all are powered by a single electronic drive unit (EDU).

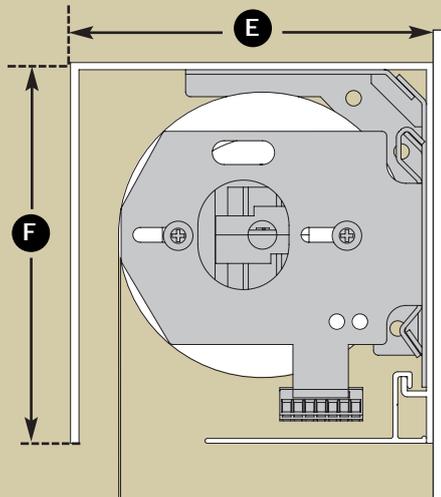


A coupled system:

- offers 38mm minimum light gap between panels
- can be assembled with any bracket configuration (see p. 8)
- offers precision adjustment, which allows the bottom bars to be aligned after installation
- allows precise bottom bar alignment (within 3mm)

Top box installation

Top boxes and fascia are available for Sivoia QED roller 100 and roller 64™ systems.

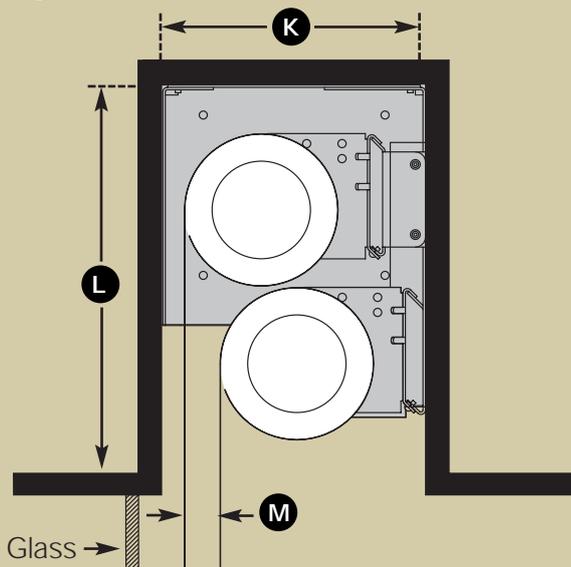


Dimensions

- E** 121mm (4.75 in.)
- F** 127mm (5.0 in.)

Dual-mount bracket | roller 100

A common roller blind application is the use of two fabrics on one window, typically a sheer and a blackout. Fabric unrolls closest to glass.

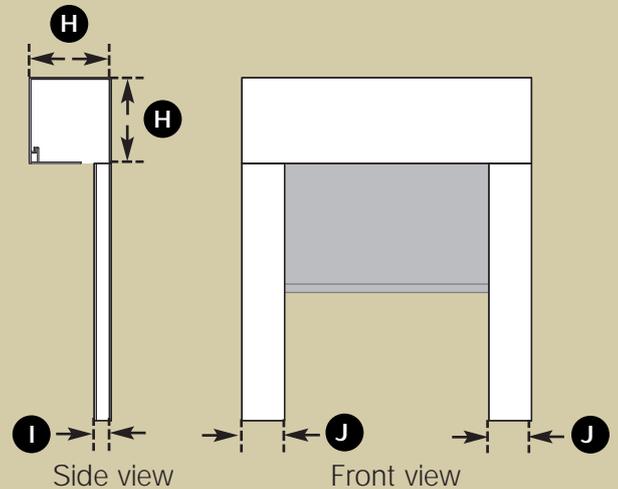


Dimensions

- K** 178mm (7.0 in.)
- L** 279mm (11.0 in.)
- M** 25mm (1.0 in.)

Blackout configuration | roller 100

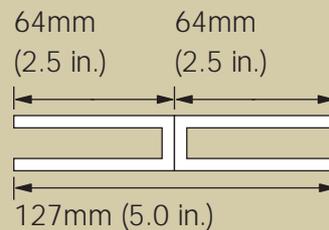
Lutron® offers side channels in a width of 64mm (2.5 in.) to facilitate blackout conditions.



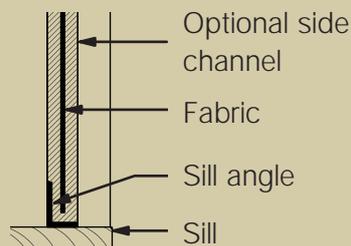
Dimensions

- H** 127mm (5.0 in.)
- I** 25mm (1.0 in.)
- J** 64mm (2.5 in.)

Top box dimensions shown including side channels.



Install side channels back-to-back at wide centre mullions.



The sill angle completes the blackout by stopping light leaks below the roller blind.

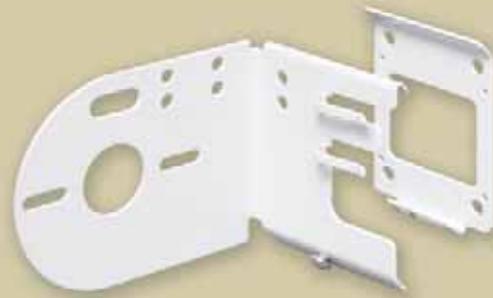
Bracket design benefits | roller 100

Sivoia QED roller 100 brackets employ a two-piece design to maximise ease and flexibility of installation.

Proprietary bracket designs for various applications include:

- Wall mount (outside the window frame)
- Jamb mount (inside the window frame)
- Ceiling mount (inside the window frame or in a top box)

Wall mount | roller 100



Ceiling mount | roller 100



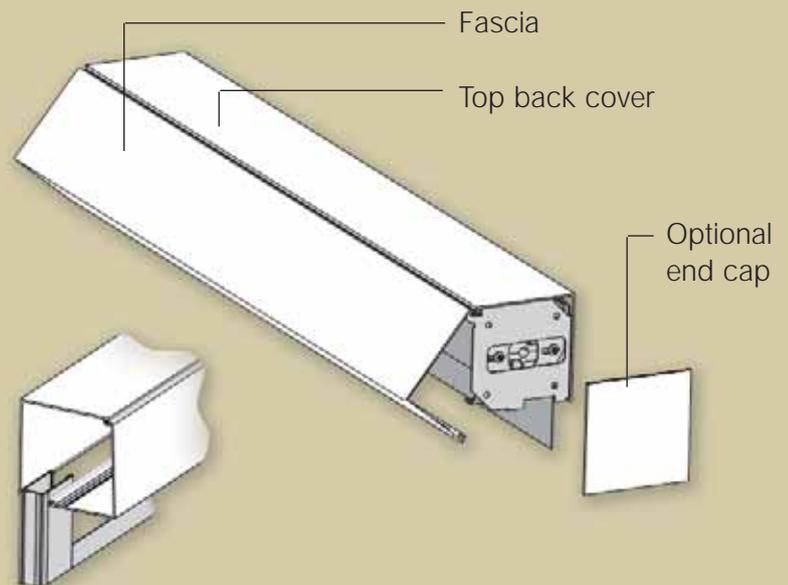
Jamb mount | roller 100



Fascia and top back covers

Sivoia QED roller blinds can be installed within fascia and top back covers. This two-piece enclosure both conceals the product and affords accessibility for adjustment and maintenance.

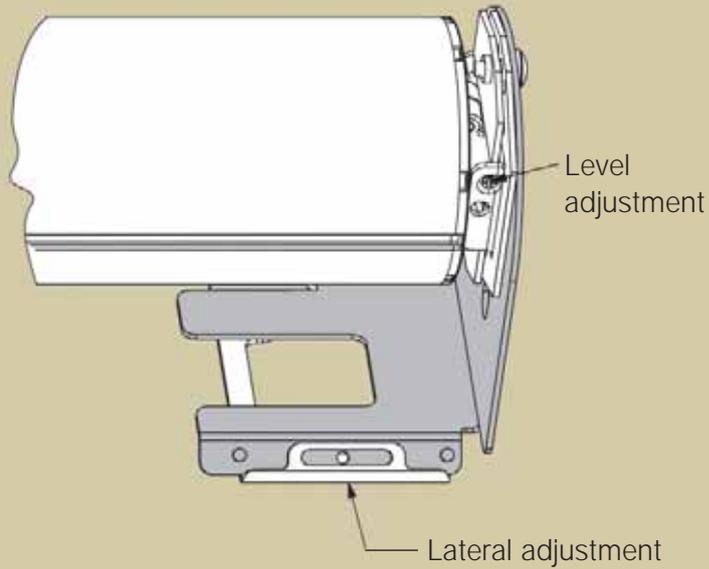
Add side channels and sill angles to achieve blackout conditions with opaque fabrics.



Fascia and top/back cover with side channel and sill angle

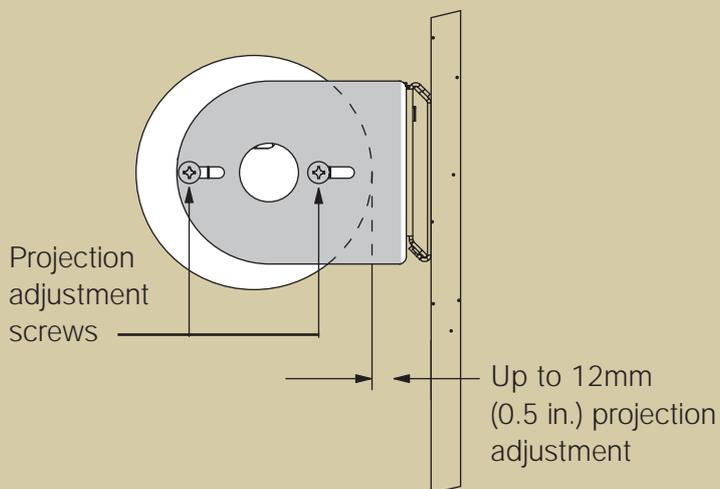
Blind centring and levelling

A benefit of the two-piece bracket design is the ability to laterally adjust the roller blind after installation to ensure a centred mounting. Roller blind can also be levelled easily without re-mounting the bracket.



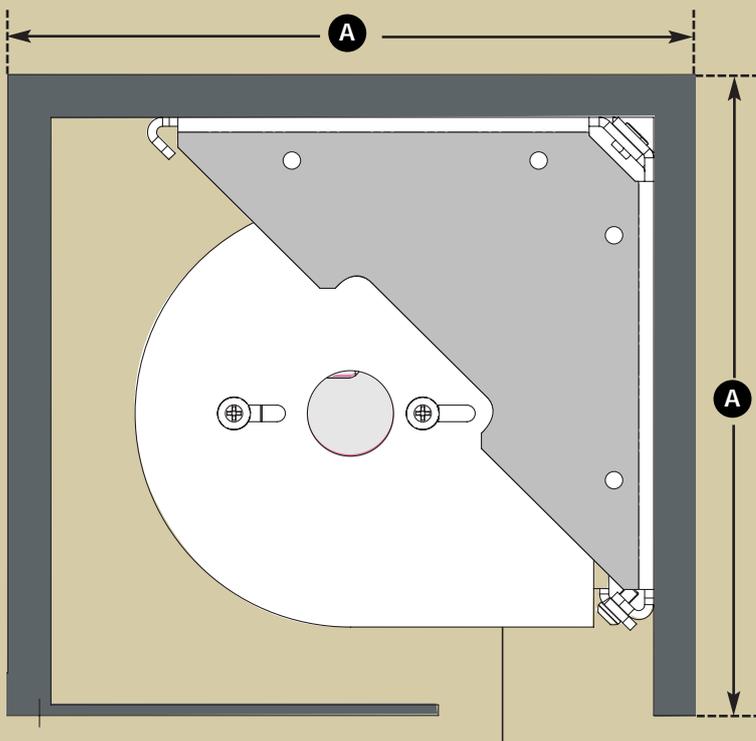
Projection adjustment

The Sivoia QED™ bracket allows for projection adjustment of the roller tube during and after installation.



Larger blinds | roller 225

Sivoia QED drives can now operate larger roller blinds, up to 20 square meters. Variables such as fabric weight and roller blind dimensions can affect the size of the roller blind that can be manufactured.

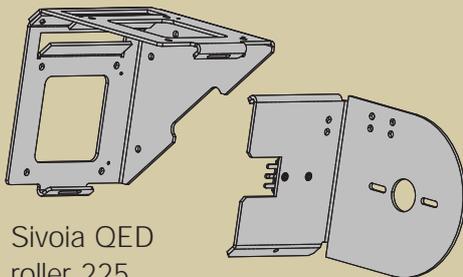


Dimensions

A 178mm (7.0 in.)

The roller 225 system:

- Utilises a 95mm (3.75 in.) diameter tube
- Employs unique brackets designed for larger systems. Roller 64 and roller 100 brackets are not compatible with this system.



Sivoia QED
roller 225
bracket assembly

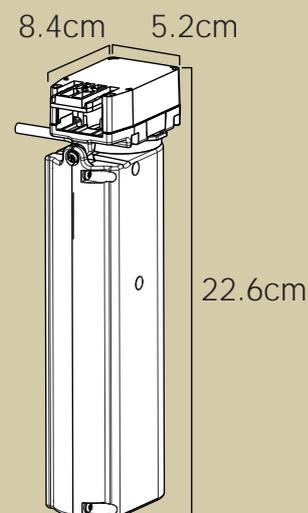


NEW Sivoia QED™ curtain systems | specifications

Note: New Sivoia QED drapery systems available second quarter, 2007

Innovation and performance

- Provide privacy with elegant curtains of any fabric and colour (customer-supplied)
- One-touch control of individual or groups of curtains for fully-open, fully-closed, or movement to preset positions
- Integrates seamlessly with Sivoia QED roller blinds
- Patent-pending technology eliminates noise in tracks
- Left-draw, right-draw and centre-draw systems available
- Curved tracks are available in a number of standard arcs (up to 90°) as well as custom specifications



Straight track capacity | curtain size

Use this chart to determine the maximum fabric size the Sivoia QED curtain system can operate, based upon height and weight.

	Typical fabrics	Typical blackout curtain with lining		Heavy speciality sheer curtain
Height	136g/m2 (4oz/yd2) Total fabric wt.	406g/m2 (12oz/yd2) Total fb. wt.	542g/m2 (16oz/yd2) Total fb. wt.	813g/m2 (24oz/yd2) Total fb. wt.
1.83m (72")	Up to 5.5m (18')w	Up to 5.5m (18')w	Up to 4.5m (15')w	Up to 3.6m (12') w
2.44m (96")	Up to 5.5m (18') w	Up to 5.5m (18') w	Up to 4.5m (15') w	Up to 2.1m (7') w
3.65m (144")	Up to 5.5m (18') w	Up to 4.2m (14') w	Up to 2.7m (9') w	N/A

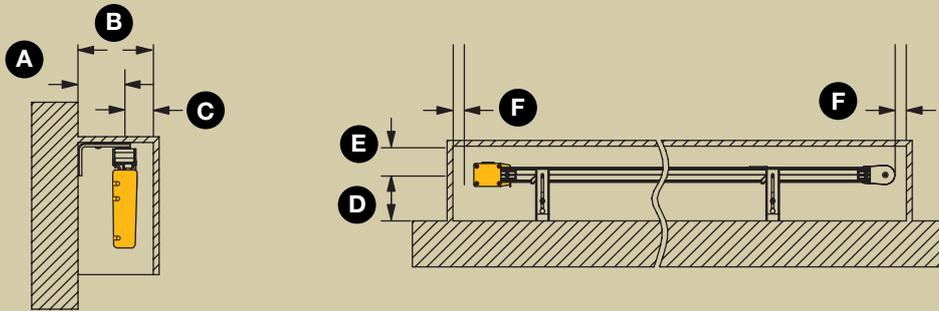
Drapery track weight capacity range (straight track)

Drapery track width	610mm	184mm	1119mm	1424mm	1728mm	2745mm	3964mm	5486mm
Weight (kg)	22 kg	27 kg	34 kg	40 kg	47 kg	40 kg	36 kg	

Drapery track width	24 in.	32 in.	44 in.	56 in.	68 in.	108 in.	156 in.	216 in.
Weight	50 lbs.	60 lbs.	75 lbs.	90 lbs.	105 lbs.	90 lbs.	80 lbs.	

Single curtain track system

Maintain enough clearance between the curtain track and the inside face of the top treatment or ceiling recess to allow the fabric to move freely.

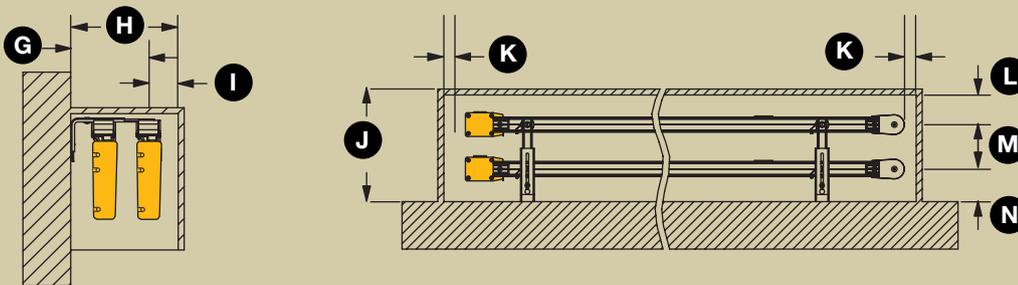


Dimensions*

- A** 76mm (3.0 in.)
- B** 127mm (5.0 in.)
- C** 51mm (2.0 in.)
- D** 76mm (3.0 in.)
- E** 51mm (2.0 in.)
- F** 25mm (1.0 in.)

Dual curtain track system

Sivoia QED™ curtain tracks can be used for a combination sheer/blackout treatment.

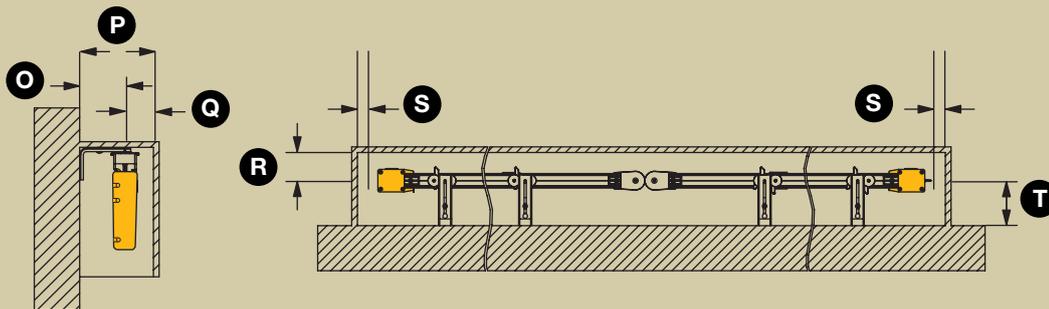


Dimensions*

- G** 184mm (7.25 in.)
- H** 255mm (9.25 in.)
- I** 51mm (2.0 in.)
- J** 235mm (9.25 in.)
- K** 25mm (1.0 in.)
- L** 51mm (2.0 in.)
- M** 108mm (4.25 in.)
- N** 762mm (3.0 in.)

Tandem curtain track system

The accuracy of movement and speed control of the Sivoia QED curtain system allows two independent systems to be used to create a centre draw curtain.

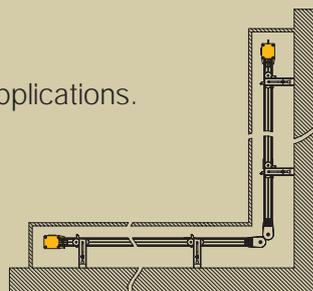


Dimensions*

- O** 76mm (3.0 in.)
- P** 127mm (5.0 in.)
- Q** 51mm (2.0 in.)
- R** 51mm (2.0 in.)
- S** 25mm (1.0 in.)
- T** 76mm (3.0 in.)

Curtain track corner application

Sivoia QED curtain tracks can be used in corner applications.



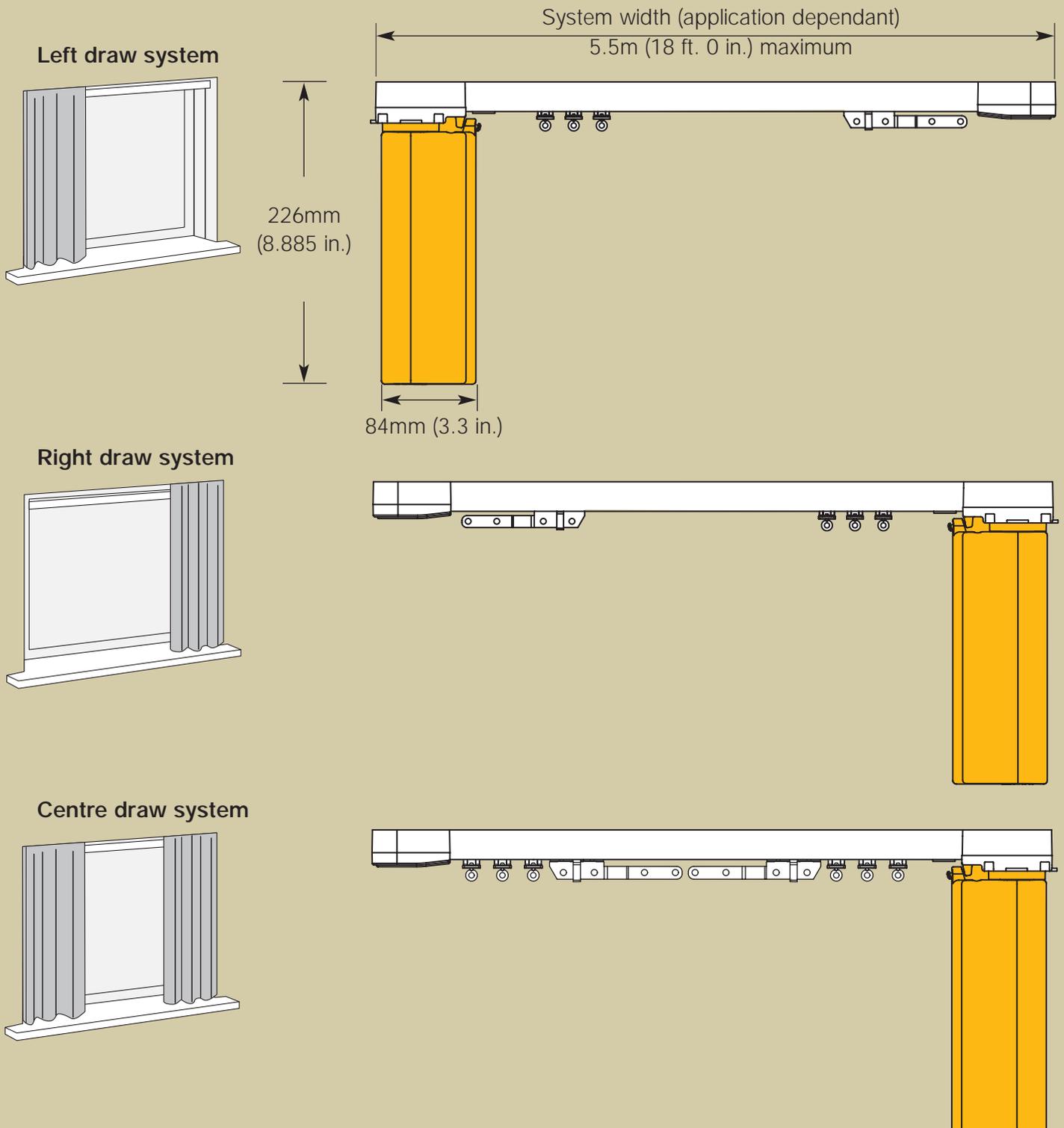
* Measurements listed are minimums.

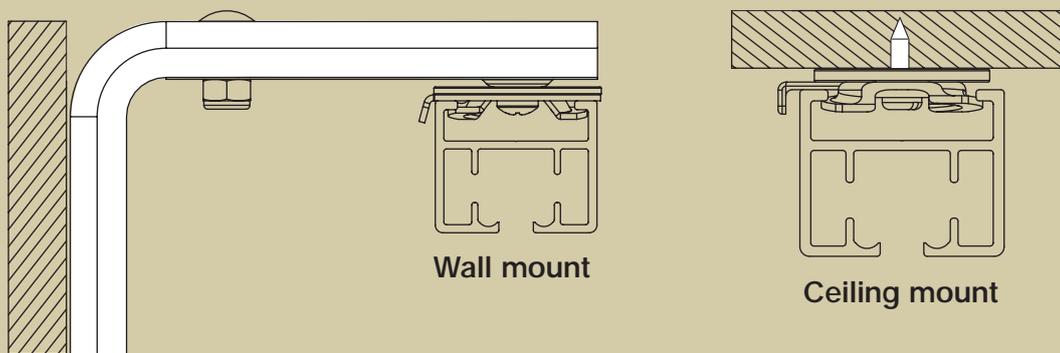
Note- Sivoia QED curtain tracks utilise an external EDU (highlighted)

Sivoia QED™ curtain track | system dimensions

Straight track mounting options

Specify left draw, right draw, or centre draw curtain track options.

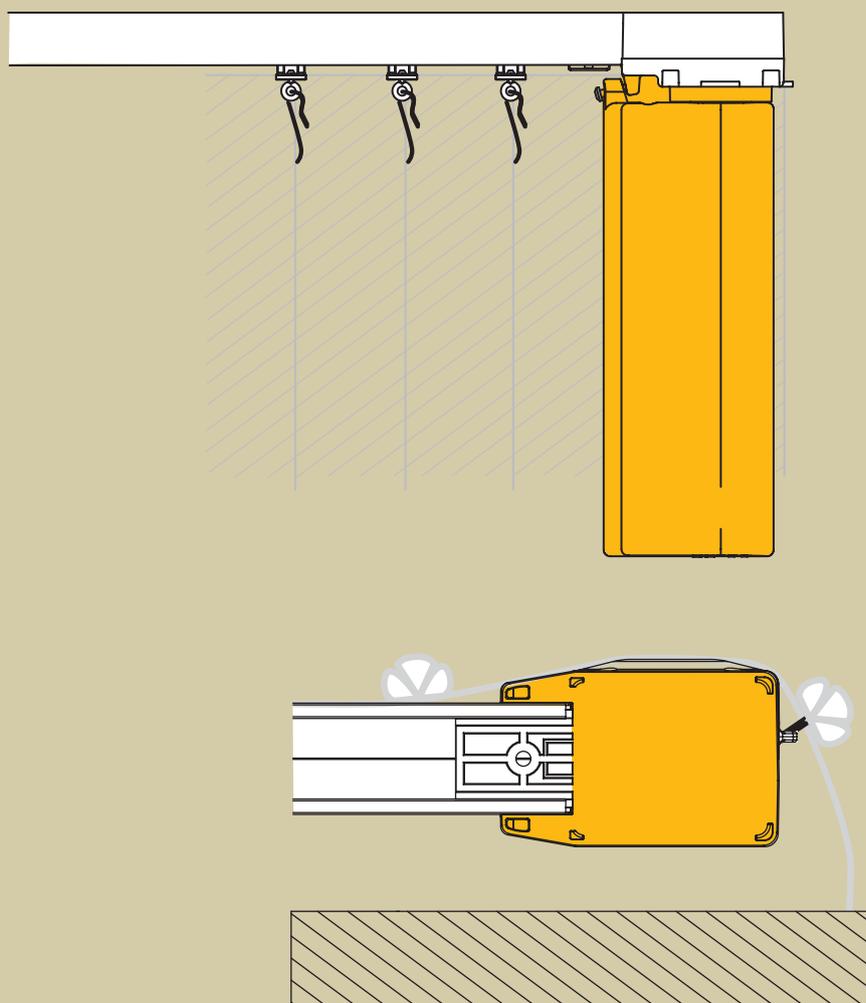




Sivoia QED curtain track systems can be mounted to the wall or to the ceiling.

Curtain hook assembly

For best performance, a curtain hook setting of 13mm (0.5 in.) should be used. This allows the system to operate with minimal noise.



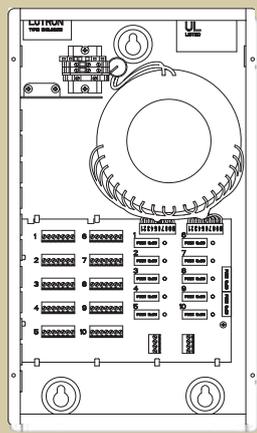
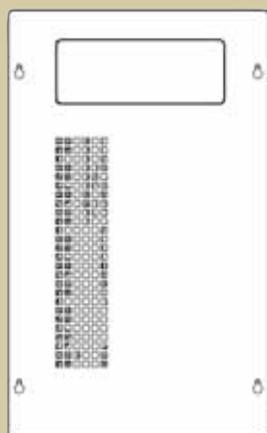
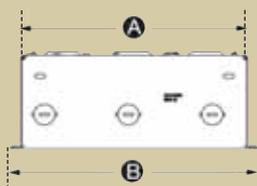


**Sivoia QED™ power panel
SVQ-10-PNL-230**

Provides power and communication wiring for up to 10 Sivoia QED drives. Utilises 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 E-367-1101/EA) or visit www.lutron.com for more information.

Dimensions

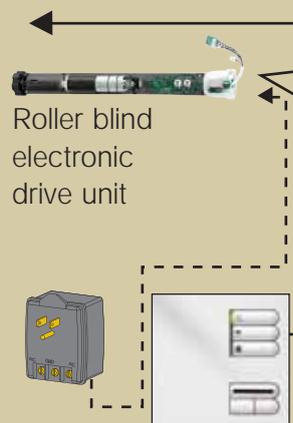
- A** 241mm (9.50 in.)
- B** 262mm (10.30 in.)
- C** 445mm (17.50 in.)
- D** 99mm (3.90 in.)



SVQ-10-PNL-230

Transformers

Single transformers are also available to power individual Sivoia QED drives. These transformers can be hard-wired or plug-in and mounted on a wall or DIN-rail. Contact customer service for more information.



Infrared transmitter

Control Sivoia QED™ with seeTouch™ or euro-style keypads.



Euro-style keypad (shown full size)



seeTouch keypad (shown full size)

Euro-style

This keypad mounts in a standard European backbox and is available in matt and metal finishes.

seeTouch

This keypad design offers backlit buttons with customisable engraving. seeTouch keypads are configured in one of two ways based on the keypad colour selected.

See pgs. 18 and 19 for full colour and finish offering.



seeTouch™

The Lutron® exclusive seeTouch keypads are available in a wide variety of button configurations to achieve any desired functionality, and to seamlessly integrate with Lutron lighting control systems.



Open

Fully open a roller blind or curtain

Presets

Adjust a roller blind or curtain to exact mid-point positions you determine

Close

Fully close a roller blind or curtain

Infrared

Infrared receiver

Raise/lower

Adjust roller blinds by pressing and holding either button

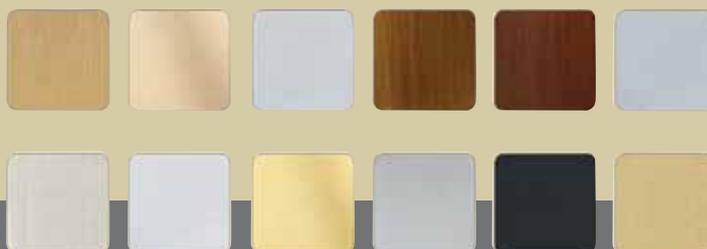
SQA-4E*
(shown actual size)

* For a full review of keypad models and button configurations, please consult the Sivoia QED Technical Reference Guide, P/N E-637-1101/EA or visit www.lutron.com.

Matt finishes



Metal finishes



euro-style

The euro-style keypads are available in a variety of button configurations that communicate the functionality of the control graphically.

One keypad can control a single roller blind or curtain or multiple groups of roller blinds or curtains.



Fully open a roller blind or curtain



Adjust a roller blind or curtain to an exact mid-point position you determine



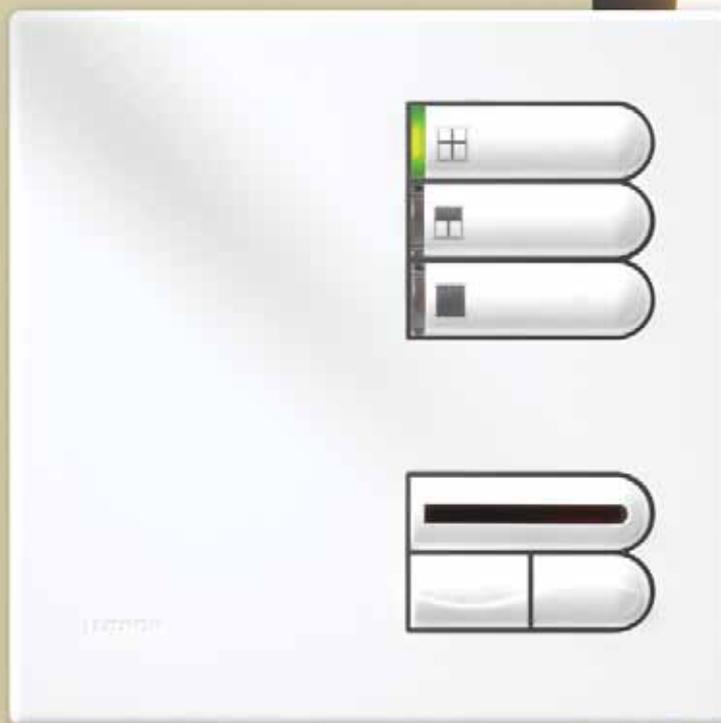
Fully close a roller blind or curtain



Infrared receiver



Adjust roller blinds or curtains by pressing and holding either button



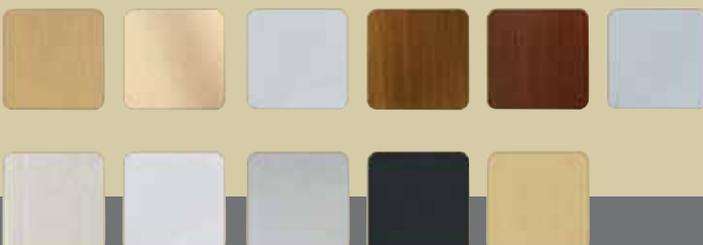
SQE-3EN*
(shown actual size)

Matt finishes



Colour samples shown are representations only. Contact Lutron customer service to receive a sample of all of Lutron's keypad finishes.

Metal finishes



handheld infrared remote controls

Convenience

Choose from a variety of handheld remotes to control Sivoia QED™ systems. Sivoia QED electronic drive units offer built-in infrared reception.



SVQ-OCIT-WH

Open/close handheld IR transmitter

- Offers open/close and fine tune raise/lower control
- Can control one EDU or a group of EDUs acting together



SVQ-4GD-OCIT-WH

Multi-function hand-held infrared remote

- Designed specifically to control both individual and groups of roller blinds
- Ideal for dual-mounted blinds (to control two roller blinds on the same window)



SV-3PIT-WH

Three preset handheld IR transmitter

- Offers full-open, full-close, three programmable presets and fine-tune raise/lower
- Can control one electronic drive unit or a group of electronic drive units acting together



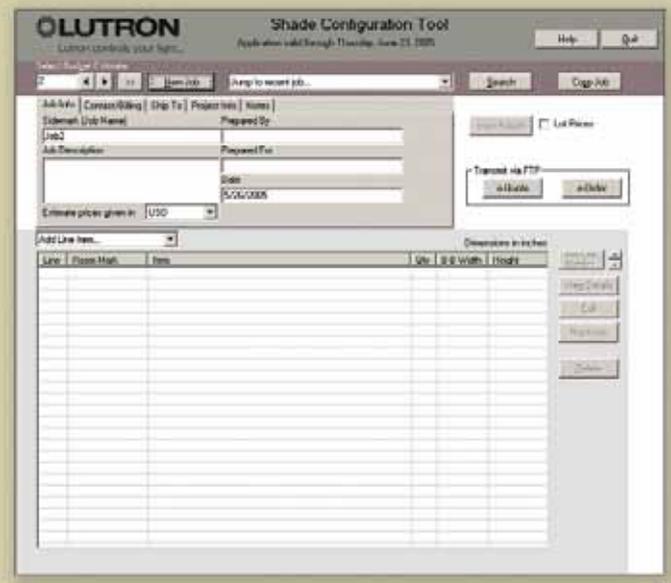
SV-4S2G-IT-WH

Multi-function lights and window treatment handheld infrared transmitter

- Controls both window treatments and lighting groups
- Ideal for home theatre and conference room applications

Sivoia Configuration Tool software

Lutron® continues to improve this dynamic, indispensable tool. Now, easier interfaces and more detailed illustrations allow you to specify your products quickly and efficiently. The Sivoia Configuration Tool includes the latest engineering guidelines and products and is the first step to obtaining fast, accurate quotes for your order.



Roller blind fabric cards

A new collection of roller blind fabric cards provides you with a comprehensive selection of Lutron's fabric options and specifications including the solar performance metrics of each fabric. Availability of all fabrics and materials are subject to change without notice.

Fabric sampling

The 200mm x 250mm sampling program is provided to support specification submittals. Contact customer service to order 200mm x 250mm fabric samples of any of our standard fabrics.





hardware colour options

Top boxes, fascia and top/back covers, side channels, and sill angles are available in these standard colours.



white



bronze



anodised
aluminum

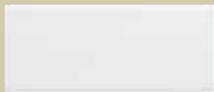
Contact customer service for additional colour options. Custom paint colours are available.

NEW Architectural bottom bar

The new bottom bar offers a clean aesthetic at the bottom of Lutron blinds with no visible welding seam. The design of the bottom bar allows for three different wrap options: half-wrap, full-wrap, and exposed.



anodised aluminum



white



bronze

Colour choices

Colour choices for the bottom bars are available on half-wrap and exposed bars.

Contact customer service for additional colour options. Custom paint colours are available.



Endcap colours coordinate with the exposed bottom bar colour, or with the fabric on both half- and full-wrap bars.

Availability subject to change without notice.



seeTouch™ keypad (shown full-size)

Elegant, intuitive control

Seamlessly integrate blinds and curtains with Lutron® lighting control systems throughout the home. Control both electric light and daylight with keypads that have a consistent design aesthetic.

Entire room

Lutron's GRAFIK Eye™ lighting control system offers scene-based control of the lights in any area of the home. One button can adjust lighting and blinds with subtle or dramatic transitions.

- Home cinema
- Bedroom
- Lounge

Whole home

Expand one-touch control to the entire home with Lutron's HomeWorks™ lighting control system. Integrate with AV, security, and other home systems. Simplify daily routines and enhance security, all at the touch of a button.

- Any size home
- Wireless keypads
- Automatic control via astronomic timeclock



seeTouch™ keypad (shown full-size)

Ease of use

Make a space as productive as possible with one-touch control of both daylight and electric light. Ultra-quiet operation allows for subtle transitions that do not interfere with the atmosphere or activities in the space.

Entire room

Bring integrated control of lighting, window systems, and projection screens to presentations and classrooms. Lutron®'s GRAFIK Eye™ transforms the well-lit boardroom to an ideal environment for an AV presentation.

- Conference room/boardroom
- Classroom
- Executive office

Whole building

Control lighting and motorised window systems in any space or throughout the entire building with Lutron's Grafik Systems™. Reduce glare and eye fatigue, maximise HVAC efficiency, and increase productivity with automated adjustment of window treatments and lighting.

- Restaurants and hotels
- Galleries
- Corporate offices

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These products may be covered by one or more of the following US and corresponding foreign patents. US and foreign patents pending:

5,671,387;	6,994,145	D456,783;	D490,780
6,845,806	7,051,782	D461,782;	D505,922
6,902,141	7,063,124	D462,332;	D506,447
6,935,403	7,085,627	D465,770;	D506,731
6,983,783	D370,663;	D466,090;	D507,244
6,992,612	D453,742;	D490,061	

These products may be covered by one or more of the following design registrations:

AU147235	HK0011259.1M002	HK0011259.1M010	JP1153670
AU148025	HK0011259.1M003	JP1141268	JP1154114
HK0011259.1M001	HK0011259.1M009	JP1141269	JP1152268

