

Sivoia QS | Skylight Shade (4.75 inch frame)

Sivoia QS skylight shades utilize the ultra-quiet, precision controlled Electronic Drive Unit (EDU). The Sivoia QS EDU controls the movement of the shade, and adjusting it to the user's desired positions.

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

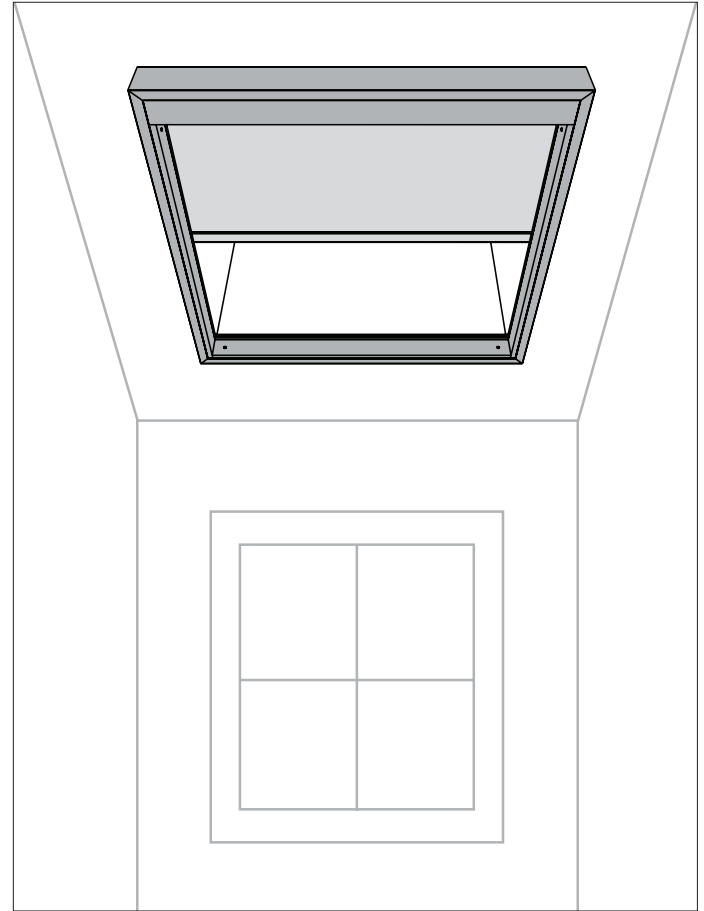
- Unique tension-absorbing frame eliminates stress on the surrounding ceiling structure
- Reliable performance under extreme temperature is ensured by weld- and seam-free design
- The EDU requires only low-voltage wiring

Operation

- Smooth, ultra-quiet operation
- Shades start, move and stop with precision
- Offers programmable stop points. The EDU tracks the position of the shade and is able to adjust it to predetermined locations at the touch of a button.

Control

- Easy-to-read and easy-to-use controls
- 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 the GRAFIK Eye® QS, Quantum™, Lutron lighting controls, and other A/V equipment
- Does not require group controllers or relay systems to create shade groups and sub-groups



Sivoia QS skylight shade

Installation

- Flexible 0° to 45° installation.
- Inside, recessed, and outside mounting options allow system to fit a wide variety of applications
- Can be shipped pre-assembled or as components to maximize on-site installation convenience and time savings (Refer to SCT for your application).

Other

- Power failure memory for the lifetime of the product
- 8 year limited warranty

Job Name:

Model Numbers:

Job Number:

Specifications

Audible noise

- Skylight shade components designed for ultra-quiet operation (will not exceed 44 dBA measured 3 ft (1 m) from the EDU)

Power

- Operating voltage: Low-voltage Class 2, 24 V \overline{DC} power supply required
- Control system power supply offers (spike and brownout) overvoltage protection (+/- 10% of line voltage) for all devices in the system.
- Power supply provides appropriate Electro Static Discharge (ESD) protection for all devices in the system
- Power must be derived from a Lutron approved NEC Class 2 powersource

System Capacity

- System allows for a total of 100 devices, such as a *Sivoia* QS skylight shade, roller shade or drapery track, a *seeTouch*® QS keypad, a *GRAFIK Eye*® QS, and QS power supplies.
- System allows for a total of 100 zones, including *Sivoia* QS shades, drapes and *GRAFIK Eye* QS lighting zones.

System performance

- Each EDU stores presets positioned at any stop point along the shade's travel, as well as full open and full close shade limits
- Each EDU is capable of stopping with the accuracy of 0.125 in (3 mm) steps for the entire travel of the shade
- Preset points can be located at any point between the open/close limits and are adjustable with a 5 second button push and hold from the *seeTouch* QS keypads or *GRAFIK Eye* QS
- For systems with multiple EDUs, shades smoothly move in unison and precise alignment within 0.125 in (3 mm) accuracy at all times
- Limits are programmable and adjustable from the EDUs, wall-mounted *seeTouch* QS keypads and/or *GRAFIK Eye* QS

Grouping

- System keypads can control any EDU, group, or subgroup without a separate group controller or additional interface.
- System groups and subgroups can be reconfigured at the point of control without rewiring and without access to the EDU.
- Controls within this system are able to operate any group or subgroup of EDUs, regardless of window treatment type.

Integration

- EDUs seamlessly integrate with *GRAFIK Eye* QS and Quantum™ without a separate interface
- Contact closure, RS232, and ethernet available to integrate with A/V equipment and security systems.

Controls

- *Sivoia* QS shades can be controlled by built-in shade columns on a *GRAFIK Eye* QS, or by *seeTouch* QS keypads
- *seeTouch* QS keypads are low voltage
- Microprocessors are contained in the EDU, *GRAFIK Eye* QS, and *seeTouch* QS keypads, allowing high level programming from any source
- All *Sivoia* QS shades, *GRAFIK Eye* QS and *seeTouch* QS keypads are wired together on the same communications link

Fabrics

- Fiberglass based fabrics available for sheer, dim-out, and blackout

Job Name: Job Number:	Model Numbers:
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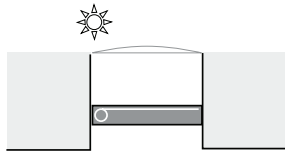
Shade options

Mounting options

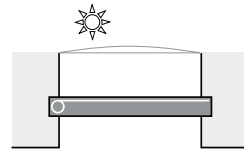
The frame can be mounted inside of, recessed into, or outside of the skylight opening.

Cross-section

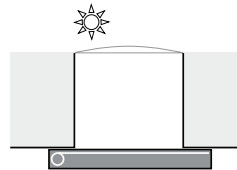
Inside Mount
(standard)



Recessed Inside
Mount (new
construction)

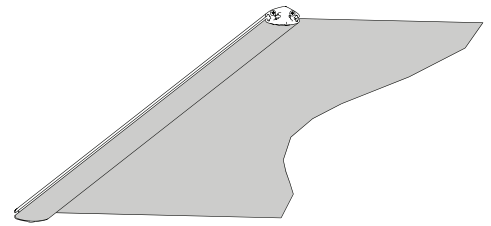


Outside mount
(ceiling) (Ideal for
retrofit)



Hem bar

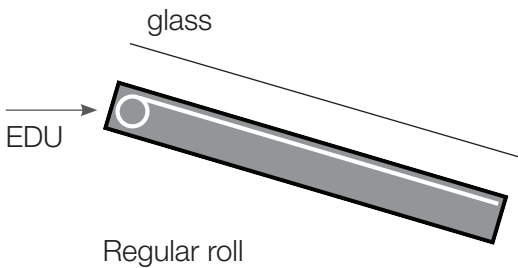
Half-wrap hem bar



Looking up

Fabric roll orientation

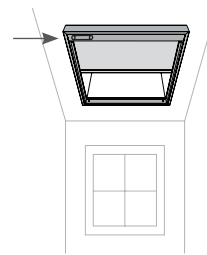
Fabric unwinds from roller at the top and closest to the glass.



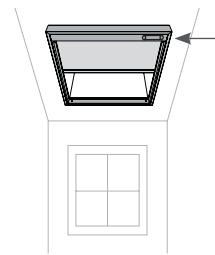
Drive side options

EDU can be located on the left or right side of the shade.

Left drive side



Right drive side



Looking up

Fabric options

Sivoia QS skylight shades are available in a wide variety of fabric types.

Sheer – UV protection, translucent

Dim-out – UV protection, minimal translucence

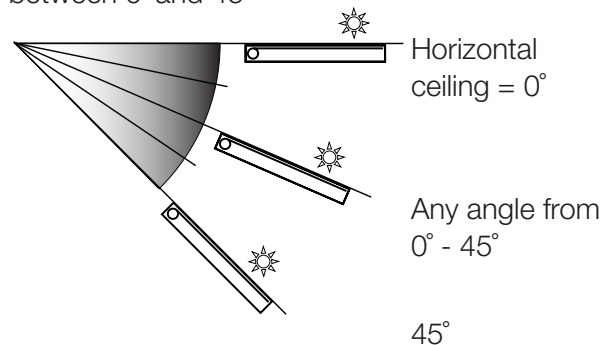
Blackout – Maximum UV protection, complete light block

NOTE

For complete fabric selection, please consult the SCT or customer service.

Angles of installation

Frame can be installed at any angle between 0° and 45°



Job Name:

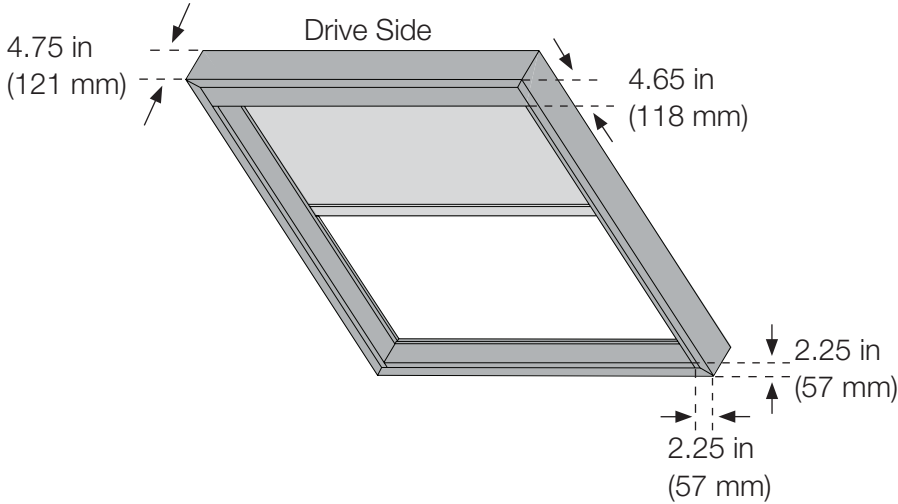
Model Numbers:

Job Number:

Frame Information

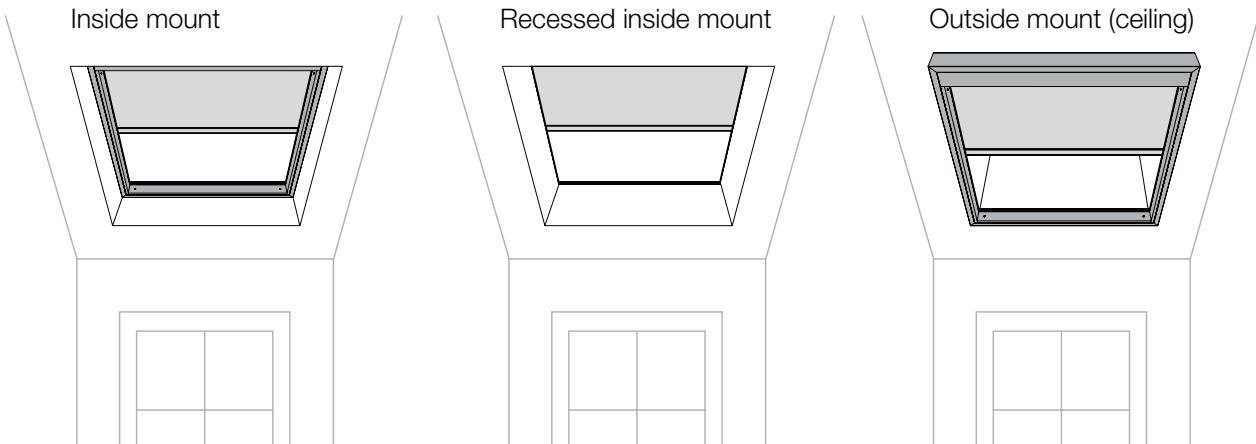
System dimensions

System is concealed within its frame. Frame thickness and depth are standard regardless of system size.



Application diagrams

Room view



Shipping options

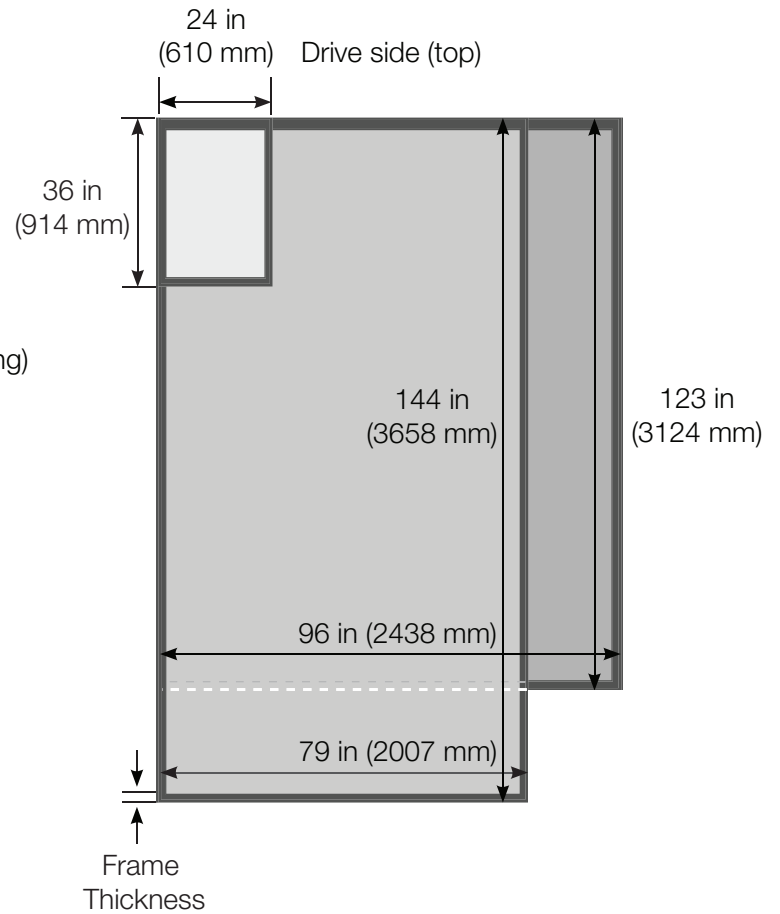
System ships pre-assembled or as components. (Refer to Lutron Shade Configuration Tool (SCT) for your application).

Job Name:	Model Numbers:
Job Number:	

System parameters

This chart illustrates general system dimensions of Sivoia QS skylight shade system. System contains frame and shade.

- Minimum system size:
 24 in wide x 36 in long (610 mm wide x 914 mm long)
- Longest system:
 79 in wide x 144 in long
 (2005 mm wide x 3658 mm long)
- Widest system:
 96 in wide x 123 in long
 (2438 mm wide x 3124 mm long)
- Frame thickness:
 Drive end: 4.65 in (118 mm)
 Non-drive end and sides: 2.25 in (57 mm)



NOTE

Skylight shade dimension limitations are a function of fabric selection and application angle. Please consult the SCT or customer service for details.

Job Name:	Model Numbers:
Job Number:	

QS Link Wiring from QS Smart Panel Power Supply

Link Rules

The following Link rules must be observed for proper operation.

- Maximum 2000 ft (600 m) of cable connecting all QSPS-P1-10-60 panels
- Maximum 2000 ft (600 m) of cable to devices wired to each QSPS-P1-10-60
- Only use cable with at least one twisted/shielded pair for communications (MUX and $\overline{\text{MUX}}$)

Maximum devices per one output		Maximum distance per one output based on wire gauge		
Shades + Controls		12 AWG (4 mm ²) QSH-CBL-L-500 QSH-CBLP-L-500	16 AWG (1.5 mm ²) QSH-CBL-M-500 QSH-CBLP-M-500	18 AWG (1 mm ²) GRX-CBL-346S-500
1 Sivoia QS skylight shade	Up to 1 see <i>Touch</i> QS keypad	500 ft (150 m)	200 ft (60 m)	125 ft (35 m)

QS Link Wiring from QS Link Power Supply

Link Rules

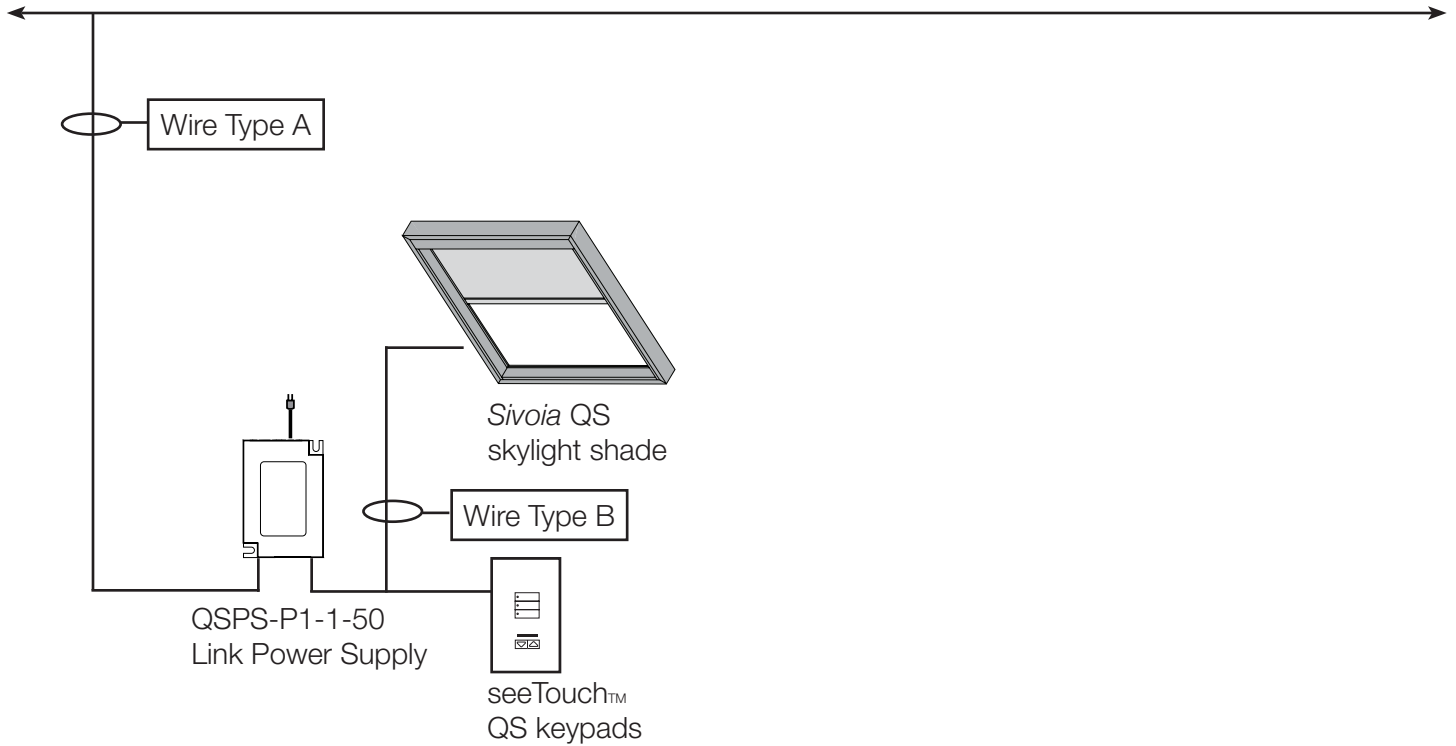
The following Link rules must be observed for proper operation.

- Use only cable with at least one twisted/shielded pair for communications (MUX and $\overline{\text{MUX}}$)
- Total length of power supply link (A) wire plus device link (B) wire in entire system must be less than 2000 ft (609 m)

Maximum devices powered from one QSPS-PX-1-50		Total wire length of link (B) based on wire gauge		
Shades	Controls	12 AWG (4 mm ²) QSH-CBL-L-500 QSH-CBLP-L-500	16 AWG (1.5 mm ²) QSH-CBL-M-500 QSH-CBLP-M-500	18 AWG (1 mm ²) GRX-CBL-346S-500
1 Sivoia QS skylight shade	Up to 1 see <i>Touch</i> QS keypad	250 ft (75 m)	100 ft (30 m)	50 ft (17 m)

Job Name:	Model Numbers:
Job Number:	

Sivoia QS System Wiring: Link Power Supply, Single Transformer



Wiring Type Key

Type A

Communication link (3 Conductor)
Communications used to connect all power supplies
12-26 AWG (4-0.5 mm²) standard, twisted/shielded

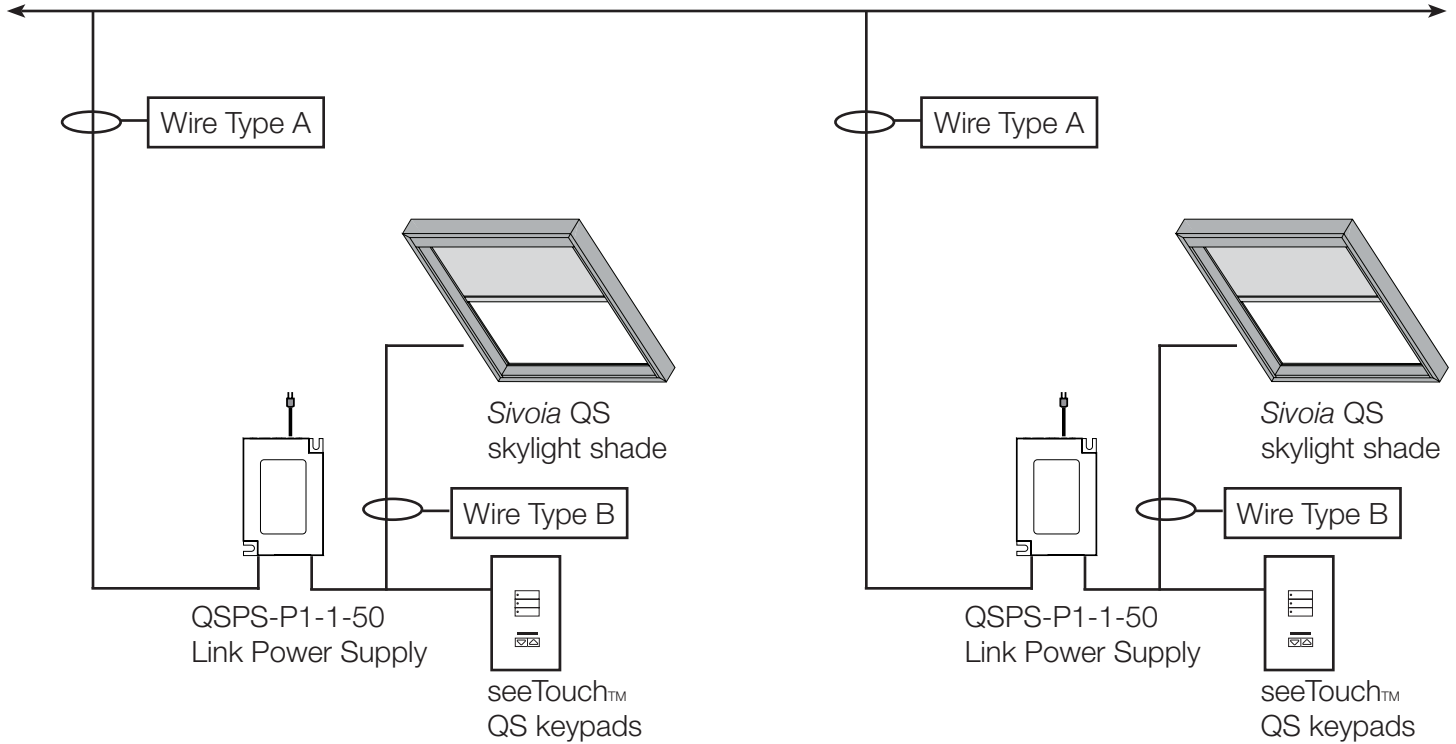
Type B

Power and communication link (4 Conductor)
Provides power and communication to QS shades or keypads
12-26 AWG (4-0.5 mm²) standard, twisted/shielded

* Refer to Wiring Guide on page 6 for wire gauge based on distance

Job Name:	Model Numbers:
Job Number:	

**Sivoia QS System Wiring:
Link Power Supply, Multiple Transformers**



Wiring Type Key

Type A

Communication link (3 Conductor)
Communications used to connect all power supplies
12-26 AWG (4-0.5 mm²) standard, twisted/shielded

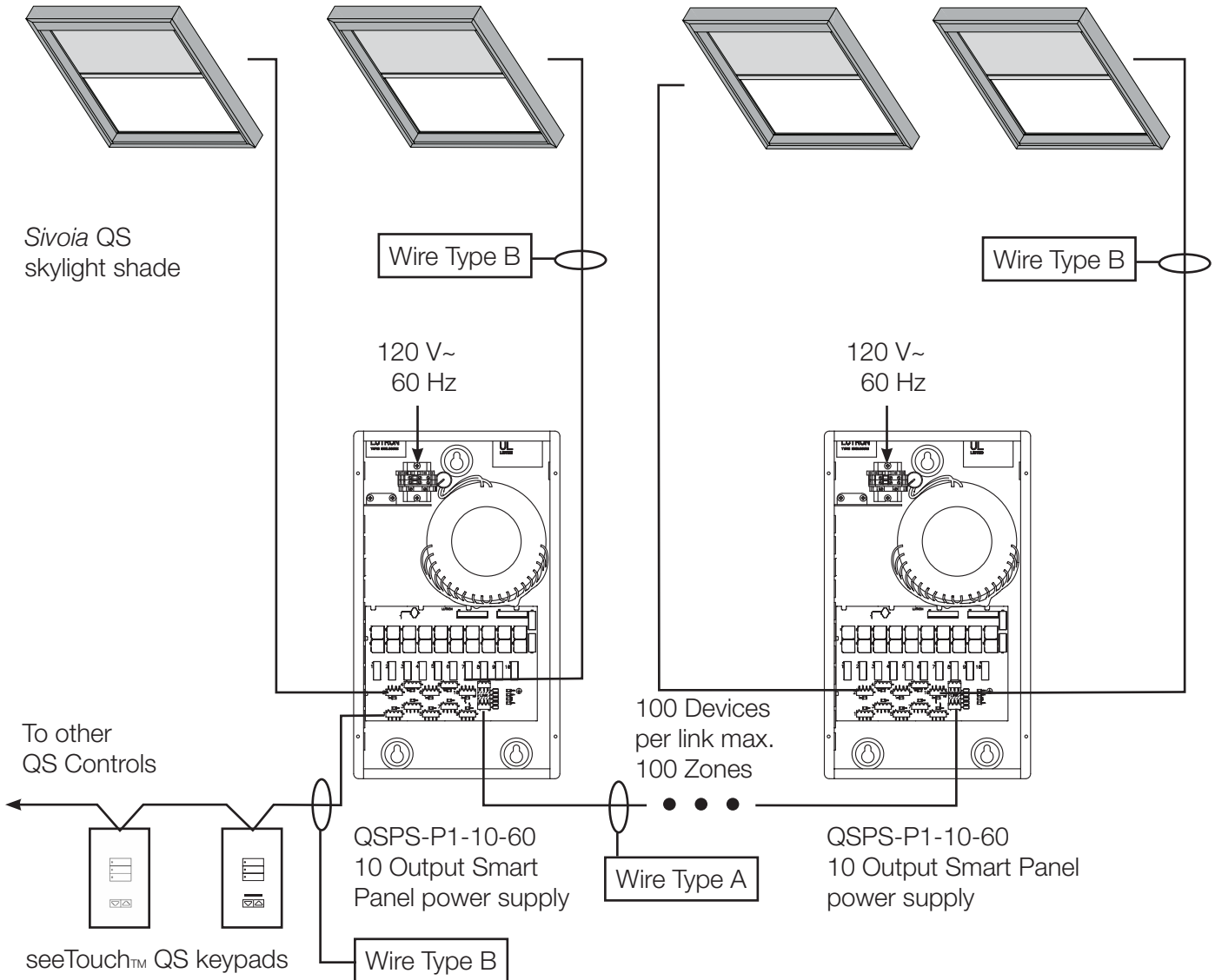
Type B

Power and communication link (4 Conductor)
Provides power and communication to QS shades or keypads
12-26 AWG (4-0.5 mm²) standard, twisted/shielded

* Refer to Wiring Guide on page 6 for wire gauge based on distance

<p>Job Name:</p> <p>Job Number:</p>	<p>Model Numbers:</p>
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**Sivoia QS System Wiring:
Smart Panel power supply, single shade per output**



Wiring Type Key

Type A

Communications Link: 4 Conductor (twisted and shielded), listed for application
Maximum comm. link: – Up to 2000 ft (600 m) connecting all QSPS-P1-10-60 panels

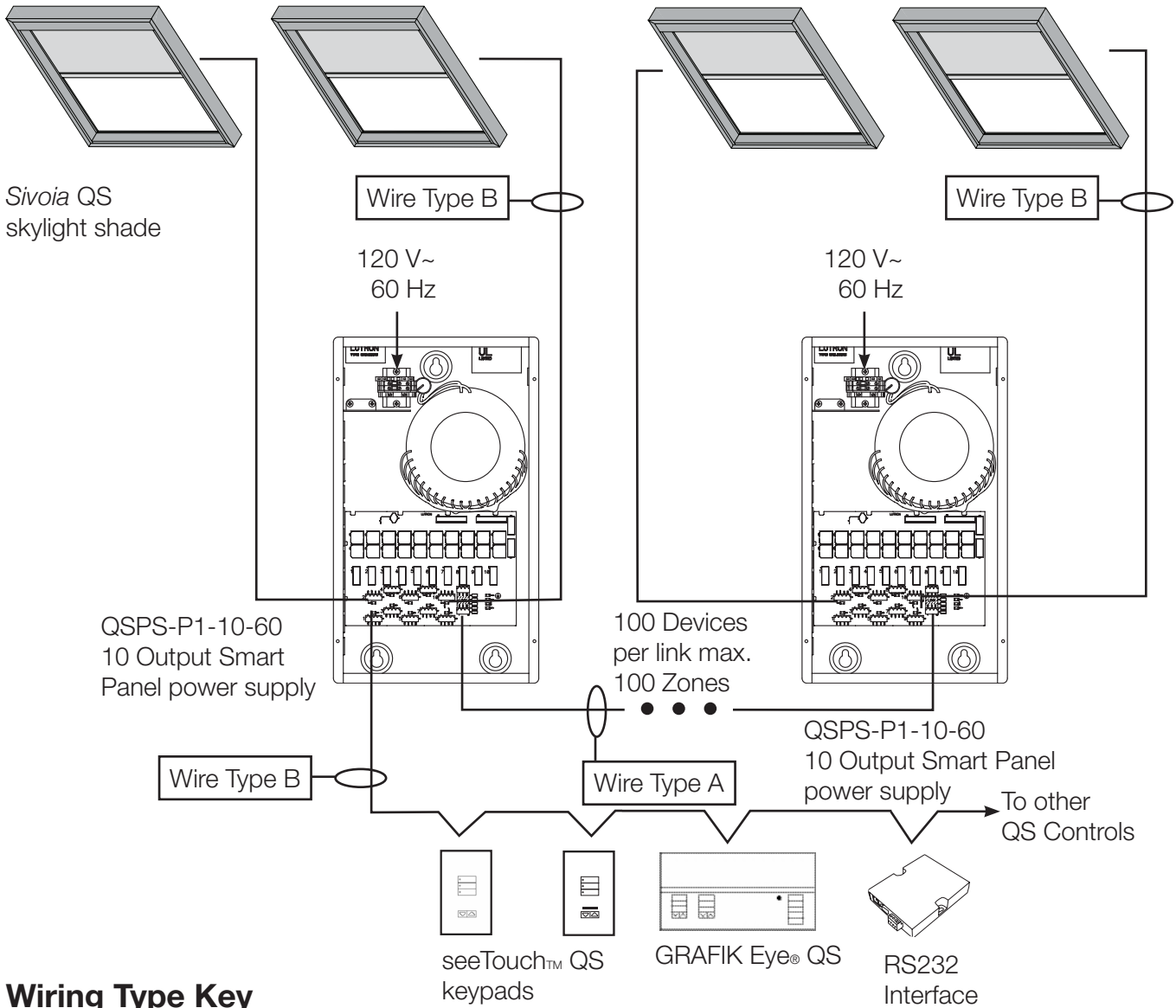
Type B

Power and communication link (4 Conductor)
Provides power and communication to QS shades or keypads
12-26 AWG (4-0.5 mm²) standard, twisted/shielded

* Refer to Wiring Guide on page 6 for wire gauge based on distance

Job Name:	Model Numbers:
Job Number:	

**Sivoia QS with GRAFIK Eye® QS System Wiring:
Smart Panel power supply, single shade per output**



Wiring Type Key

Type A

Communications Link: 4 Conductor (twisted and shielded), listed for application
Maximum comm. link: – Up to 2000 ft (600 m) connecting all QSPS-P1-10-60 panels

Type B

Power and communication link (4 Conductor)
Provides power and communication to QS shades or keypads
12-26 AWG (4-0.5 mm²) standard, twisted/shielded

* Refer to Wiring Guide on page 6 for wire gauge based on distance

Job Name:	Model Numbers:
Job Number:	

Limited warranty

SCOPE

This limited warranty (“Warranty”) covers the Lutron supplied (a) *Sivoia QS* skylight roller system (“*Sivoia QS* skylight roller system”), (b) manual shade system and (c) alternating current or a/c shade system (each of the foregoing being a “System”). Customer acknowledges and agrees that use of the System constitutes acceptance of all terms and conditions of this Warranty.

LIMITED WARRANTY

Subject to the exclusions and restrictions described below, Lutron warrants that each System will be free from manufacturing defects from the date of shipment by Lutron for a period of (a) one year as to the wall controls, interfaces and system accessories of the *Sivoia QS* skylight roller system (“External *Sivoia QS* skylight Components”) and (b) eight years as to the other Systems and the electronic drive unit (EDU), shade fabric, and shade hardware of the *Sivoia QS* skylight roller system. If any manufacturing defect exists in the External *Sivoia QS* components, so long as Customer promptly notifies Lutron of the defect within the one year warranty period and, if requested by Lutron, returns the defective part(s), Lutron will, at its option, either repair the defective part(s) or provide comparable replacement part(s). If any manufacturing defect exists in any of the components of a System other than the External *Sivoia QS* skylight Components, so long as Customer promptly notifies Lutron of the defect within the eight year warranty period and, if requested by Lutron, returns the defective part(s), Lutron will, at its option, either repair the defective part(s) or issue a credit to the Customer against the purchase price of comparable replacement part(s) purchased from Lutron as provided below:

Number of Years from Date of Shipment	Percentage of Cost of Replacement Parts Credited by Lutron
Up to 2	100%
More than 2 but not more than 5	50%
More than 5 but not more than 8	25%
More than 8	0%

Replacement parts for the System provided by Lutron or, at its sole discretion, an approved vendor may be new, used, repaired, reconditioned, and/or made by a different manufacturer.

EXCLUSIONS AND RESTRICTIONS

This Warranty will be void, and Lutron and its suppliers will have no responsibility under this Warranty, if Lutron or its representatives cannot access any components of the System to inspect, diagnose problems with or repair the System or any of its components as a result of concealment or inaccessibility of such components within a building structure.

This Warranty does not cover, and Lutron and its suppliers are not responsible for:

1. Damage, malfunction or inoperability diagnosed by Lutron or a Lutron approved third party as caused by normal wear and tear, abuse, misuse, incorrect installation, neglect, accident, interference or environmental factors, such as (a) use of incorrect line voltages fuses or circuit breakers; (b) failure to install, maintain and operate the System pursuant to the operating instructions provided by Lutron and

Job Name:	Model Numbers:
Job Number:	

Limited warranty (continued)

the applicable provisions of the National Electrical Code and of the Safety Standards of Underwriter's Laboratories; (c) use of incompatible devices or accessories; (d) improper or insufficient ventilation; (e) unauthorized repairs or adjustments or alterations; (f) vandalism; (g) an act of God, such as fire, lightning, flooding, tornado, earthquake, hurricane or other problems beyond Lutron's control; or (h) direct exposure to corrosive materials.

2. On-site labor costs to diagnose issues with, and remove, repair, replace, adjust, reinstall and/or reprogram the System or any of its components.

3. Components and equipment external to the System, such as, non-Lutron lighting and automation systems; building wiring audio-visual equipment; and non-Lutron time clocks, photo sensors and motion detectors.

4. The cost of repairing or replacing other property that is damaged when any System does not work properly, even if the damage was caused by the System.

THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO EIGHT YEARS FROM THE DATE OF SHIPMENT, EXCEPT THAT SUCH IMPLIED WARRANTIES ARE LIMITED TO ONE YEAR FROM THE DATE OF SHIPMENT AS TO THE EXTERNAL SIVOIA COMPONENTS.

NO LUTRON AGENT, EMPLOYEE OR REPRESENTATIVE HAS ANY AUTHORITY TO BIND LUTRON TO ANY AFFIRMATION, REPRESENTATION OR WARRANTY CONCERNING THE SYSTEMS. UNLESS AN AFFIRMATION, REPRESENTATION OR WARRANTY MADE BY AN AGENT, EMPLOYEE OR REPRESENTATIVE IS SPECIFICALLY INCLUDED HEREIN, OR IN STANDARD PRINTED MATERIALS PROVIDED BY LUTRON, IT DOES NOT FORM A PART OF THE BASIS OF ANY BARGAIN BETWEEN LUTRON AND CUSTOMER AND WILL NOT IN ANY WAY BE ENFORCEABLE BY CUSTOMER.

IN NO EVENT WILL LUTRON OR ANY OTHER PARTY BE LIABLE FOR EXEMPLARY, CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO DAMAGES FOR PERSONAL INJURY, FAILURE TO MEET ANY DUTY, INCLUDING OF GOOD FAITH OR REASONABLE CARE, NEGLIGENCE, OR ANY OTHER LOSS WHATSOEVER), NOR FOR ANY REPAIR WORK UNDERTAKEN WITHOUT LUTRON'S PRIOR WRITTEN CONSENT ARISING OUT OF OR IN ANY WAY RELATED TO THE INSTALLATION, DEINSTALLATION, USE OF OR INABILITY TO USE THE SYSTEM OR OTHERWISE UNDER OR IN CONNECTION WITH ANY PROVISION OF THIS WARRANTY, EVEN IN THE EVENT OF THE FAULT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY, BREACH OF CONTRACT OR BREACH OF WARRANTY OF LUTRON OR ANY OTHER PARTY, AND EVEN IF LUTRON OR SUCH OTHER PARTY WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

<p>Job Name:</p> <p>Job Number:</p>	<p>Model Numbers:</p>
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Limited warranty (continued)

NOT WITHSTANDING ANY DAMAGES THAT CUSTOMER MIGHT INCUR FOR ANY REASON WHATSOEVER (INCLUDING, WITHOUT LIMITATION, ALL DIRECT DAMAGES AND ALL DAMAGES LISTED ABOVE), THE ENTIRE LIABILITY OF LUTRON AND OF ALL OTHER PARTIES UNDER THIS WARRANTY ON ANY CLAIM FOR DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE MANUFACTURE, SALE, INSTALLATION, DELIVERY, USE, REPAIR, OR REPLACEMENT OF THE SYSTEM, AND CUSTOMER'S SOLE REMEDY FOR THE FOREGOING, WILL BE LIMITED TO THE AMOUNT PAID BY CUSTOMER FOR THE SYSTEM. THE FOREGOING LIMITATIONS, EXCLUSIONS AND DISCLAIMERS WILL APPLY TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW, EVEN IF ANY REMEDY FAILS ITS ESSENTIAL PURPOSE.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

WARRANTY CLAIMS, TECHNICAL ASSISTANCE AND WARRANTY INFORMATION.

Contact the Lutron Technical Support Center at the numbers provided on the following page or your local Lutron sales representative with questions concerning the installation or operation of the System or this Warranty, or to make a warranty claim. Please provide the exact model number when calling.

The product may be covered under one or more of the following U.S. patents: 6,935,403; 6,983,783, and 6,994,145 corresponding foreign patents. U.S. and foreign patents pending.

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NEC is a registered trademark of the National Electrical Code.

Job Name: Job Number:	Model Numbers:
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call: 800.523.9466

Other countries (8 a.m. – 8 p.m. ET)

call: +1 610.282.3800

fax: +1 610.282.3090

email: shadinginfo@lutron.com

Shades Customer Service

USA and Canada (24 hrs/7 days):

call: 800.446.1503

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Specification Submittal Sheet
for Sivoia QS skylight shade

Job Name:	Model Numbers:
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