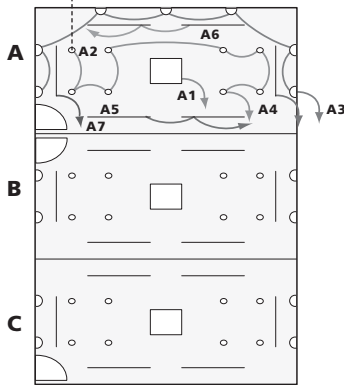


Step 1

Determine number of zones and sources

A zone is a group of lights or shades that are always controlled together. **GRAFIK Eye** Controls have the ability to dim most popular light sources through power panels and to control several zones at one time from one button press. Important factors to consider when creating zones are flexibility of control and aesthetics.

Hotel Ballroom Reflected Ceiling Plan



Zone	Description	No. of Circuits	Voltage	Feed Type (N,E)	Load Type	Fixture Load	No. of Fixtures	Watts/ Volt-amps
A-1	Chandelier	1	120V	N	INC	1200	1	1200
A-2	Downlights	1	277V	N	FLD	75	8	600
A-3	Wall Sconces	1	277V	N	FLD	32	7	224
A-4	North Track	1	120V	N	ELV	20	4	88*
A-5	East Track	1	120V	N	ELV	20	6	132*
A-6	West Track	1	120V	N	ELV	20	6	132*
A-7	South Track	1	120V	N	ELV	20	4	88*

Notes:
1. Chart is typical for each room: A, B, and C. Room A is shown.

Key: N Normal; E Emergency; INC Incandescent; ELV Electronic Low-Voltage; FLD Lutron Hi-lume Fluorescent Dimming

* Includes transformer losses

Design Tips

- Multiple circuits can be controlled by one zone.
- Dimming ballasts are required to dim fluorescent sources, for information on Lutron Fluorescent Dimming Ballasts, see pg. 236.
- Transformer loss: Ballasts and transformers draw additional current beyond the lamp rating. For example, magnetic low-voltage transformers typically draw an additional 20% of the lamp wattage.
- If integrating controllable window treatments with the lighting controls, dedicate a zone for each group of treatments to be controlled on GRX-4500 (CPN 1623) Control Units.
- Blank Load schedules are available. See pg.139.

Step 2

Select GRAFIK Eye 4000 Series Control Units

Using the number of zones determined in Step 1, select the appropriate size of Control Unit. **GRAFIK Eye 4000 Series** Control Units are available in 2-, 3-, 4-, 6-, 8-, 16-, and 24-zone configurations. Choose a 4500 Model Control Unit if programming the system from a PC or saving light levels at 1% increments is required.

See ordering pgs. 36-39.

This project requires seven zones, therefore three GRX-4108 are selected, one for each Room (A, B, C).

Design Tips

- If your space requires more than eight zones, link up to eight **GRAFIK Eye 4000 Series** Control Units (addresses) together for control of up to 64 zones in one system.
- A 16-zone Control Unit counts as two Control Units and a 24-zone unit counts as three Control Units toward the eight Control Units maximum.
- Use a separate **GRAFIK Eye** Control Unit for each distinct room/space in a project that may be controlled separately.

For Example, for 10 zones:



Step 3

Fill Out Dimming/Switching Panel Schedule(s)

Separate circuits into Power Panel Schedules by common voltages and feed type (N, N/E, E). Power Panels can be located throughout a project close to the loads they are serving, then linked together through a Low-voltage Communication Link for seamless operation.

Design Tips

- A separate panel or section is required for each voltage type (120V, 277V, etc.) and feed type (Normal or Emergency).
- Where emergency circuits are required, selected circuits should be placed in a separate panel schedule. Selected emergency circuits in Lutron Panels immediately go to a "full-on" condition when normal power fails. For more information, see pg. 176.
- Consider adding circuits into panel capacity for spare circuits if future growth is expected.
- In large projects, if more than 15% of project circuits are non-dim only, consider using an **XPSwitch™** Panel (see ordering pg. 162).
- If many circuits are between 800W/VA-2000W/VA and are incandescent, magnetic low-voltage, neon/cold cathode or Lutron **Tu-Wire®** fluorescent load types, consider using an LP Panel (see ordering pg. 158).

Step 4

Select Power Panels

Choose the Power Panel to support the number of circuits required by the project in the Dimming/Switching Panel Schedule(s) from Step 3.

Example shown typical of 120V circuits in project for Rooms A, B, and C. Process is similar for other voltages and feed types.

See ordering pgs. 146-174.

	Normal – 120V Dimming Panel Circuit Number	Zone	Load Type	Total Load Watts/ Mortgage
1	A-1	INC	1200	
2	A-4	ELV	88	
3	A-5	ELV	132	
4	A-6	ELV	132	
5	A-7	ELV	88	
6	B-1	INC	1200	
7	B-4	ELV	88	
8	B-5	ELV	132	
9	B-6	ELV	132	
10	B-7	ELV	88	
11	C-1	INC	1200	
12	C-4	ELV	88	
13	C-5	ELV	132	
14	C-6	ELV	132	
15	C-7	ELV	88	
16	SPARE			

Note: This project requires one GP16-1204ML-20 120V Dimming Panel and one GP8-2774ML-20 277V Dimming Panel.

Design Tip

- Verify building system voltage/feed type (3Ø,4W) and branch circuit size (where applicable). For example, 120V panels are equipped with 20 Amp branch circuit protection; maximum dimming circuit capacity is constant, fully loaded 16 Amps.

Step 5

Select and Implement Design Elements

Identify additional control elements for the project (e.g. DMX integration, Time Scheduling, Wireless Control) and add appropriate Wallstations/Control Interfaces to achieve strategies.

See Design Elements, see pgs. 6-9.

For this project, two elements are chosen – an Infrared Control, SG-4SIRN (see pg. 44), and a partitioning control, SG-4PSN (see pg. 45).

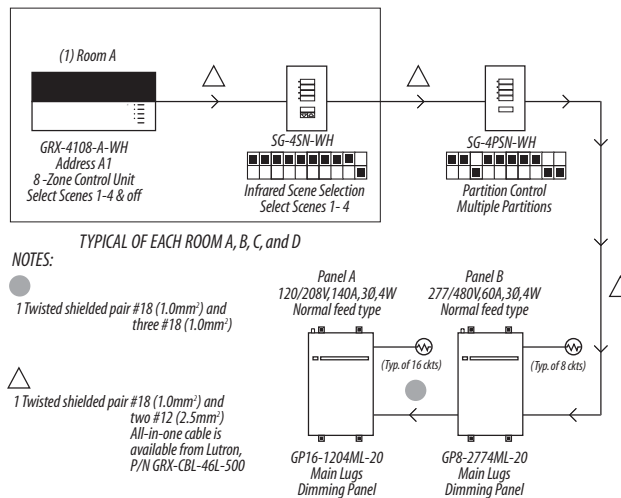
Design Tips

- Up to 16 total wallstations/control interfaces can be added in one GRAFIK Eye 4000 Series system.
- Coordinate partitioning function with Audio Visual system requirements.

Step 6

Support the design with one-line diagrams and written product specifications.

Complete product specifications are available at www.lutron.com.



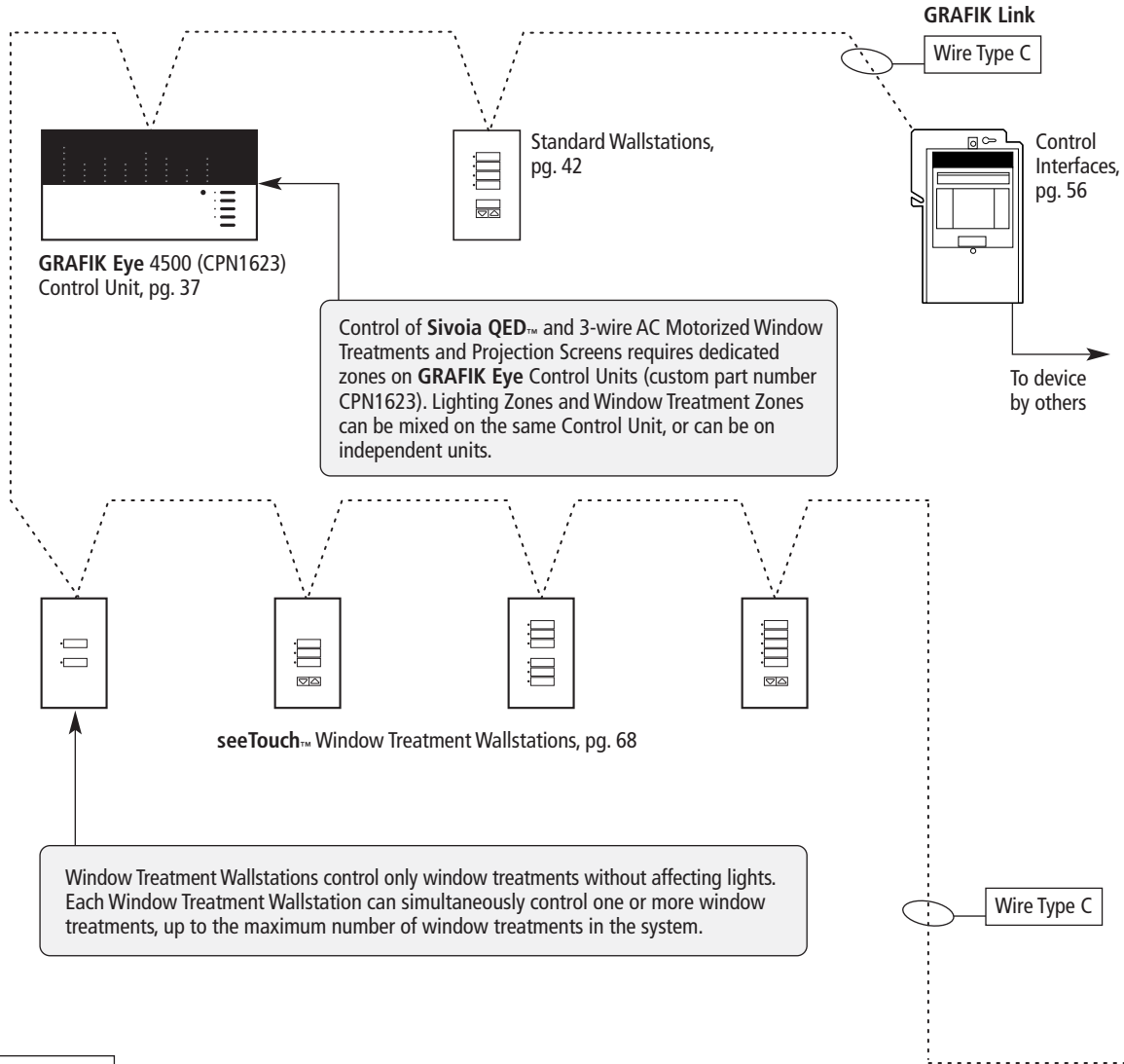
Designer™ Software

Lutron's Designer™ software allows faster system design by automatically assigning the types of Power Boosters/Interfaces required from zone load type and wattage information. The software generates a complete bill of materials, including Wallstations and Control Interfaces, with DIP Switch settings, and a one-line diagram that can be saved and exported as a .dxf file. GRAFIK Eye Designer software is available at www.lutron.com/designer.

System Capabilities

A total of 8 **GRAFIK Eye 4000 Series** Control Units and 16 Control Station Devices can be in one **GRAFIK Eye 4000 System**. Control Station Devices include Standard Wallstations, Control Interfaces and Window Treatment Wallstations.

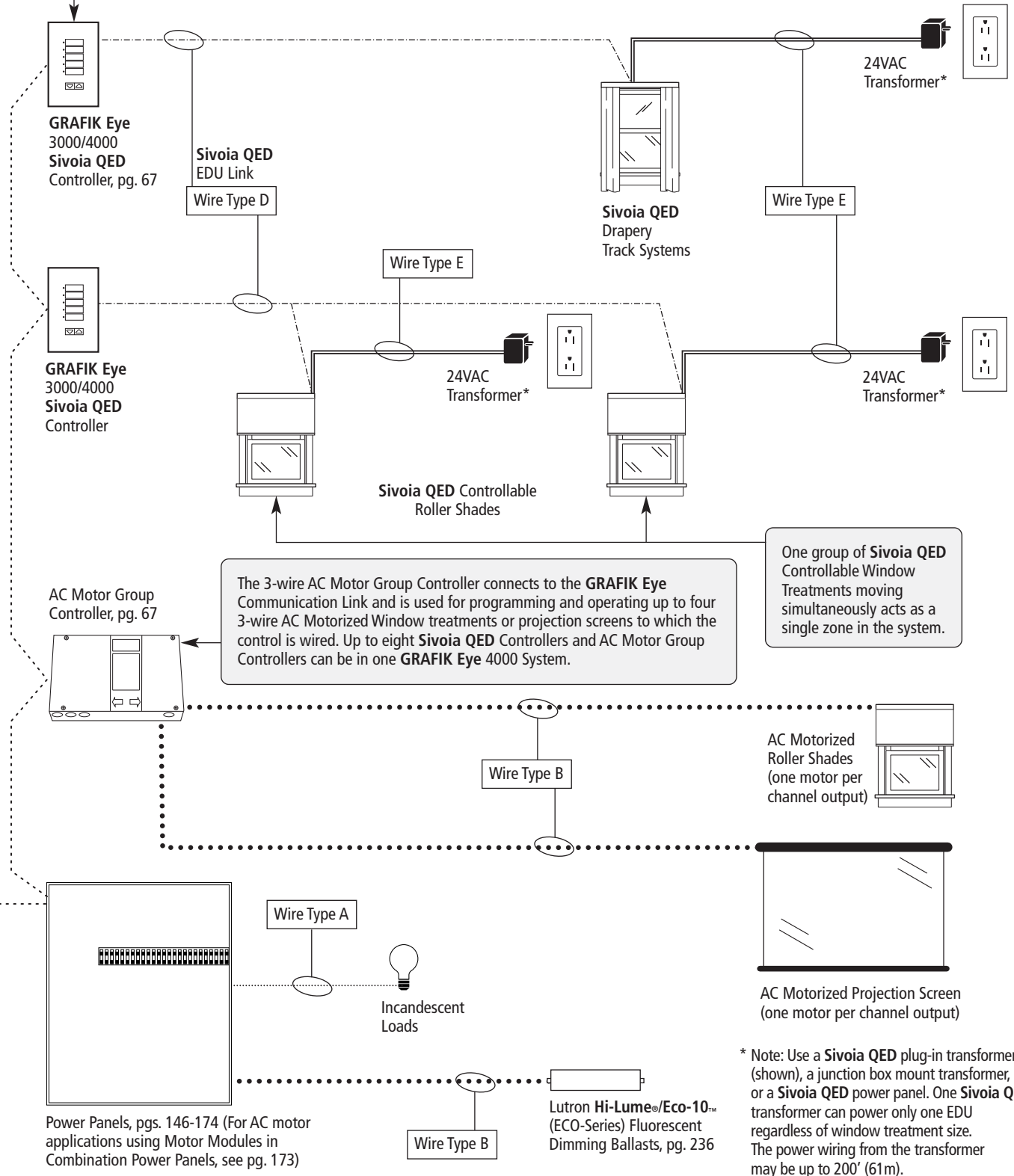
GRAFIK Eye Control Units and Standard Wallstations can select scenes incorporating both lighting and/or window treatment zones, in the following three possible combinations: lights and window treatment scenes, lights-only scenes, and window treatment-only scenes.



Wiring Type Key

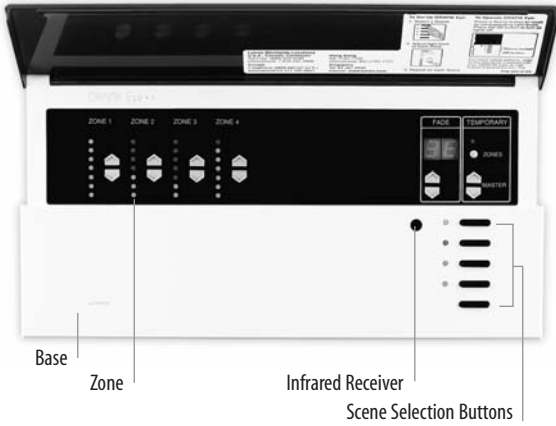
.....	Type A	(2) #12 AWG wires (120V/277V)
.....	Type B	(3) #12 AWG wires (120V/277V)
.....	Type C	(2) #12 AWG Class 2 wires + (1) twisted, shielded pair #18 AWG Class 2 wires, + (1) #18 AWG Class 2 Wire (Available from Lutron; Model #: GRX-CBL-46L)
.....	Type D	(3) #18 AWG wires (24VAC, plus earth ground) + (1) twisted, shielded pair #22 AWG (Available from Lutron; Model #: SVQ-CBL-250)
=====	Type E	(3) #16 AWG wires (24VAC, plus earth ground)

The GRAFIK Eye 3000/4000 Sivoia QED™ Controller, which connects to both the Sivoia QED communication link and the GRAFIK Eye communication link, is used for programming and operating the group of window treatments wired to the control. Up to a combined total of eight Sivoia QED Controllers and AC Motor Group Controllers can be in one GRAFIK Eye 4000 System.



* Note: Use a Sivoia QED plug-in transformer (shown), a junction box mount transformer, or a Sivoia QED power panel. One Sivoia QED transformer can power only one EDU regardless of window treatment size. The power wiring from the transformer may be up to 200' (61m).

Cover (shown open)



Control Unit

Architectural Grade

- Provides continuously smooth square law dimming of all popular sources through Dimming Panels, and non-dim control for sources through Switching Panels; see Power Panels, pg. 146
- Dimming Panels contain Lutron's patented powerline stability circuitry (RTISS™-Real Time Illumination Stability System), capable of maintaining constant light levels with no visible flicker under changing powerline conditions
- Switching Panels contain Lutron's patented **XP Softswitch™** circuitry capable of withstanding inrush current 50 times operating current for full 16A circuits of any source - resistive, inductive, or capacitive
- Average rated life of Lutron relays are 1,000,000 cycles (on/off)
- Provides positive air-gap off for every circuit through Power Panels
- Up to eight **GRAFIK Eye** Control Units can be linked for up to 64 zones
- Built-in Infrared Receiver/Optional Wireless Remote Control
- User-defined lockout options integral; locking covers available, pg. 64
- Offers simple program for scene light levels and fade times; no "store" button required

Compatible Lutron Products



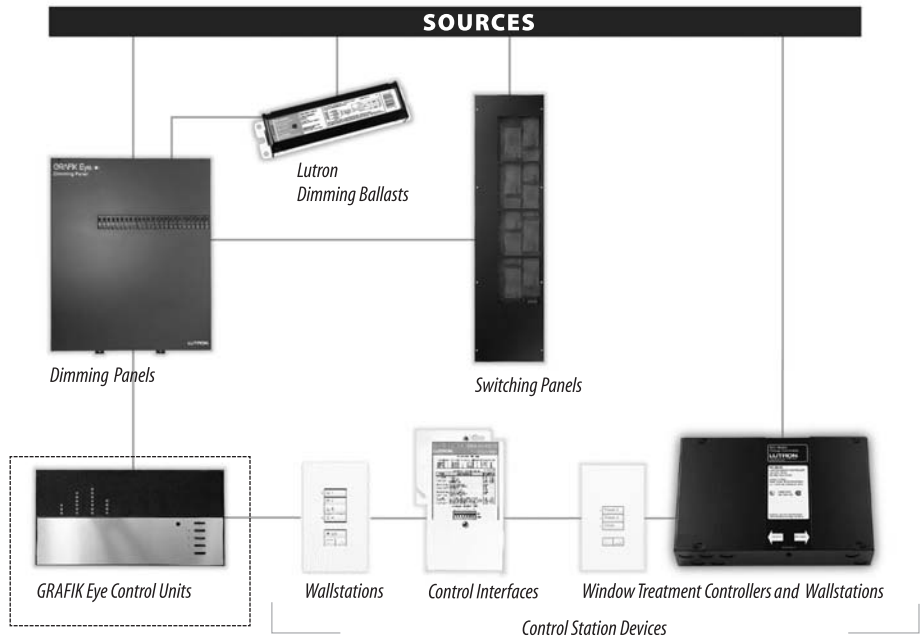
Wallstation Controls pg. 42 Window Treatment Controllers pg. 67 Dimming Panels pg. 152 Switching Panels pg. 162 Receptacles pg. 130 Cable and Phone Jacks pg. 130

Matching Accessories



GRAFIK Eye 4000 SYSTEM MAP

- Use the map at right to identify system component being reviewed in each section
- For overall wiring information, see pg. 34



SPECIFICATIONS

- Load Types:
 - Controlled through Power Panels, pg. 146
 - For control of **Sivoia QED™** Window Treatments, use SG-SVCN **Sivoia QED** Controller, see pg. 67
 - For control of AC Motorized Window Treatments, use GRX-4M-GC AC Motor Group Controller, see pg. 67 and/or Power Panels with Motor Modules, see pg. 173
 - **Sivoia QED** and 3-wire AC Motorized Window Treatments require dedicated zones on GRX-450X-X-XXCPN1623 Control Units
- Power through Power Panels, see pg. 146
- Mounting:
 - Fits standard US wallboxes, 3.50" (89mm) deep strongly recommended, 2.75" (64mm) minimum
- Up to total of 8 **Sivoia QED** Controllers plus AC Motor Group Controllers can be in one system with 8 **GRAFIK Eye** Control Units and 16 Control Station Devices

Standards listed below apply to one or more products in the **GRAFIK Eye** product line. Consult factory for specific information.





Dimensions

W: 5.56" (141mm)
H: 4.56" (116mm)
D: 2.25" (57mm)¹

Wallbox Size: two-gang,
3.50" (89mm) deep



Dimensions

W: 7.31" (186mm)
H: 4.56" (116mm)
D: 2.25" (57mm)¹

Wallbox Size: three-gang, 3.50"
(89mm) deep



Dimensions

W: 8.94" (227mm)
H: 4.56" (116mm)
D: 2.25" (57mm)¹

Wallbox Size: four-gang, 3.50" (89mm) deep



Dimensions

W: 8.94" (227mm)
H: 4.56" (116mm)
D: 2.25" (57mm)¹

Wallbox Size: four-gang, 3.50" (89mm) deep

Product

Model

Color

Suffix

2-ZONE CONTROL UNITS⁴

Sources controlled through Dimming and XP Softswitch™ Panels and Window Treatment Controllers.
For Panel ordering information, see Power Panels pg. 146.
For Window Treatment Controllers, see pg. 67.

4100
4500^{2,3}

GRX-4102-
GRX-4502-

Ordering Example

GRX-4102-T-AU-WH
add cover option
and color/finish suffix
to model #

COVER OPTIONS

Opaque A
Cover and base will match
Translucent Black T
Black translucent cover with
base color from below

BASE COLORS

Matte Finishes

Standard, ships in 48 hrs.
• Matte Cover Options: A or T
• See pg. 10 for complete
color offering and suffixes.

Gloss (NEMA) Finishes

Ships in 4-6 weeks.
• Gloss Cover Option: A only
• See pg. 10 for complete
color offering and suffixes.

Metal Finishes

Ships in 4-6 weeks.
• Metal Cover Option: T only
• See pg. 10 for complete
color offering and suffixes.

Satin Finishes

Ships in 4-6 weeks.
• Satin Cover Option: A or T
• See pg. 10 for complete
color offering and suffixes.

Customization

Ships in 4-6 weeks.
• See pg. 12 for multigang
wallplates, color matching,
engraving/silk screening,
and custom controls.
• See pg. 143 for
engraving schedules.

Locking Covers

• See pg. 64 for
more information.

3-ZONE CONTROL UNITS⁴

Sources controlled through Dimming and XP Softswitch Panels and Window Treatment Controllers.
For Panel ordering information, see Power Panels pg. 146.
For Window Treatment Controllers, see pg. 67.

4100
4500^{2,3}

GRX-4103-
GRX-4503-

4-ZONE CONTROL UNITS⁴

Sources controlled through Dimming and XP Softswitch Panels and Window Treatment Controllers.
For Panel ordering information, see Power Panels pg. 146.
For Window Treatment Controllers, see pg. 67.

4100
4500^{2,3}

GRX-4104-
GRX-4504-

6-ZONE CONTROL UNITS⁴

Sources controlled through Dimming and XP Softswitch Panels and Window Treatment Controllers.
For Panel ordering information, see Power Panels pg. 146.
For Window Treatment Controllers, see pg. 67.

4100
4500^{2,3}

GRX-4106-
GRX-4506-

Footnotes, page 37

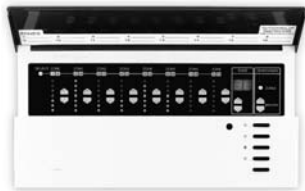
- 1 Depth includes wallplate and backbox. Wallplate depth is 0.35" (9mm).
- 2 4500 Model Control Units can be programmed manually or from a PC and offer the precision of setting light levels in 1% increments.
- 3 Add CPN1623 to the end of 4500 model number for zone load type selections to operate Sivoia QED™ and 3-wire AC Motorized Window Treatments.
- 4 Counts as one of eight total control units per system.



Dimensions

W: 8.94" (227mm)
 H: 4.56" (116mm)
 D: 2.25" (57mm)¹

Wallbox Size: four-gang, 3.50" (89mm) deep

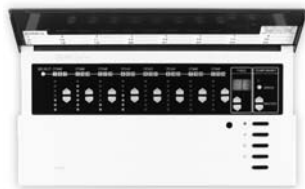


(Shown with cover open)

Dimensions

W: 8.94" (227mm)
 H: 4.56" (116mm)
 D: 2.25" (57mm)¹

Wallbox Size: four-gang,
 3.50" (89mm) deep



(Shown with cover open)

Dimensions

W: 8.94" (227mm)
 H: 4.56" (116mm)
 D: 2.25" (57mm)³

Wallbox Size: four-gang,
 3.50" (89mm) deep

Product

Model

Color

Suffix

8-ZONE CONTROL UNIT

Sources controlled through Dimming and XP Softswitch™ Panels and Window Treatment Controllers. For Panel ordering information, see Power Panels pg. 146. For Window Treatment Controllers, see pg. 67.

4100
 4500^{2,3}

GRX-4108-
 GRX-4508-

- Counts as one of eight total Control Units per system.

16-ZONE CONTROL UNIT

Sources controlled through Dimming and XP Softswitch Panels and Window Treatment Controllers. For Panel ordering information, see Power Panels pg. 146. For Window Treatment Controllers, see pg. 67.

4100
 4500²

GRX-4116-
 GRX-4516-

- Counts as two out of eight total Control Units per system.

24-ZONE CONTROL UNIT

Sources controlled through Dimming and XP Softswitch Panels and Window Treatment Controllers. For Panel ordering information, see Power Panels pg. 146. For Window Treatment Controllers, see pg. 67.

4100
 4500²

GRX-4124-
 GRX-4524-

- Counts as three out of eight total Control Units per system.

Footnotes, page 38

- 1 Depth includes wallplate and backbox. Wallplate depth is 0.35" (9mm).
- 2 4500 Model Control Units can be programmed manually or from a PC and offer the precision of setting light levels in 1% increments.
- 3 Add CPN1623 to the end of model number for zone load type selections to operate Sivoia QED™ and 3-wire AC Motorized Window Treatments.

Ordering Example

GRX-4108-I-AU-WH
 add cover option
 and color/finish suffix
 to model #

COVER OPTIONS

Opaque A
 Cover and base will match
 Translucent Black T
 Black translucent cover with
 base color from below

BASE COLORS

Matte Finishes

Standard, ships in 48 hrs.
 • Matte Cover Options: A or T
 • See pg. 10 for complete
 color offering and suffixes.

Gloss (NEMA) Finishes

Ships in 4-6 weeks.
 • Gloss Cover Option: A only
 • See pg. 10 for complete
 color offering and suffixes.

Metal Finishes

Ships in 4-6 weeks.
 • Metal Cover Option: T only
 • See pg. 10 for complete
 color offering and suffixes.

Satin Finishes

Ships in 4-6 weeks.
 • Satin Cover Option: A or T
 • See pg. 10 for complete
 color offering and suffixes.

Customization

Ships in 4-6 weeks.
 • See pg. 12 for multigang
 wallplates, color matching,
 engraving/silk screening,
 and custom controls.
 • See pg. 143 for
 engraving schedules.

Locking Covers

• See pg. 64 for
 more information.



Dimensions

W: 7.31" (186mm)
H: 4.56" (116mm)
D: 2.25" (57mm)¹

Wallbox Size: three-gang,
3.50" (89mm) deep



Dimensions

W: 7.31" (186mm)
H: 4.56" (116mm)
D: 2.25" (57mm)¹

Wallbox Size: three-gang,
3.50" (89mm) deep



Dimensions

W: 8.94" (227mm)
H: 4.56" (116mm)
D: 2.25" (57mm)¹

Wallbox Size: four-gang,
3.50" (89mm) deep

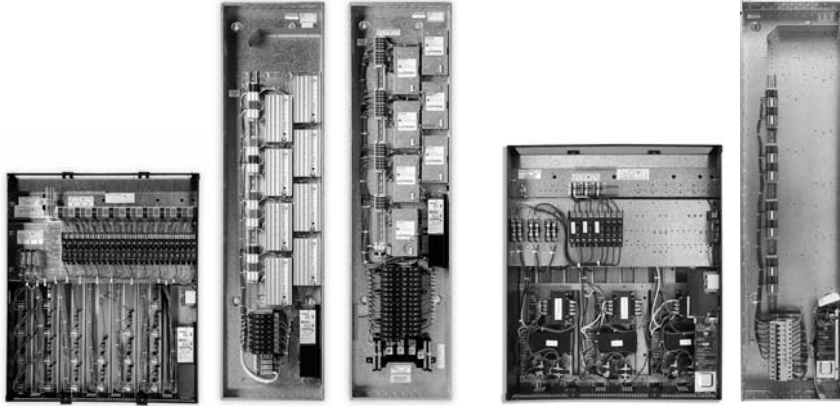


Dimensions

W: 8.94" (227mm)
H: 4.56" (116mm)
D: 2.25" (57mm)¹

Wallbox Size: four-gang,
3.50" (89mm) deep

Product	Model	Color	Suffix																																		
3-ZONE SLIDER CONTROL UNIT^{2,3}	GRXSLED-4103-	Ordering Example																																			
<ul style="list-style-type: none"> Serves as Control Unit for three zones of lighting Two scenes per Slider Control Unit, expandable to 12 scenes with additional Controls Master slider option available (uses one slider zone) No remote fine-tuning for individual zones available Built-in Panic Scenes 		<p>GRXSLED-4103-WH add color/finish suffix to model #</p> <p>Matte Finishes</p> <p>Ships in 4-6 weeks.</p> <table> <tr><td>White</td><td>WH</td></tr> <tr><td>Ivory</td><td>IV</td></tr> <tr><td>Beige</td><td>BE</td></tr> <tr><td>Gray</td><td>GR</td></tr> <tr><td>Brown</td><td>BR</td></tr> <tr><td>Black</td><td>BL</td></tr> </table> <p>Metal Finishes</p> <p>Ships in 4-6 weeks.</p> <table> <tr><td>Bright Brass</td><td>BB</td></tr> <tr><td>Bright Chrome</td><td>BC</td></tr> <tr><td>Bright Nickel</td><td>BN</td></tr> <tr><td>Satin Brass</td><td>SB</td></tr> <tr><td>Satin Chrome</td><td>SC</td></tr> <tr><td>Satin Nickel</td><td>SN</td></tr> <tr><td>Antique Brass</td><td>QB</td></tr> <tr><td>Antique Bronze</td><td>QZ</td></tr> </table> <p>Anodized Aluminum</p> <table> <tr><td>Clear</td><td>CLA</td></tr> <tr><td>Black</td><td>BLA</td></tr> <tr><td>Brass</td><td>BRA</td></tr> </table>		White	WH	Ivory	IV	Beige	BE	Gray	GR	Brown	BR	Black	BL	Bright Brass	BB	Bright Chrome	BC	Bright Nickel	BN	Satin Brass	SB	Satin Chrome	SC	Satin Nickel	SN	Antique Brass	QB	Antique Bronze	QZ	Clear	CLA	Black	BLA	Brass	BRA
White	WH																																				
Ivory	IV																																				
Beige	BE																																				
Gray	GR																																				
Brown	BR																																				
Black	BL																																				
Bright Brass	BB																																				
Bright Chrome	BC																																				
Bright Nickel	BN																																				
Satin Brass	SB																																				
Satin Chrome	SC																																				
Satin Nickel	SN																																				
Antique Brass	QB																																				
Antique Bronze	QZ																																				
Clear	CLA																																				
Black	BLA																																				
Brass	BRA																																				
4-ZONE SLIDER CONTROL UNIT^{2,3}	GRXSLED-4104-	Customization																																			
<ul style="list-style-type: none"> Serves as Control Unit for four zones of lighting Two scenes per Slider Control Unit, expandable to 12 scenes with additional Controls Master slider option available (uses one slider zone) No remote fine-tuning for individual zones available Built-in Panic Scenes 		<p>Ships in 4-6 weeks.</p> <ul style="list-style-type: none"> See pg. 12 for multigang wallplates, color matching, engraving/silk screening, and custom controls. See pg. 143 for engraving schedules. 																																			
6-ZONE SLIDER CONTROL UNIT^{2,3}	GRXSLED-4106-	Locking Covers																																			
<ul style="list-style-type: none"> Serves as Control Unit for six zones of lighting Two scenes per Slider Control Unit, expandable to 12 scenes with additional Controls Master slider option available (uses one slider zone) No remote fine-tuning for individual zones available Built-in Panic Scenes 		<ul style="list-style-type: none"> See pg. 64 for more information. 																																			
8-ZONE SLIDER CONTROL UNIT^{2,3}	GRXSLED-4108-																																				
<ul style="list-style-type: none"> Serves as Control Unit for eight zones of lighting Two scenes per Slider Control Unit, expandable to 12 scenes with additional Controls Master slider option available (uses one slider zone) No remote fine-tuning for individual zones available Built-in Panic Scenes 																																					
Footnotes, page 39																																					
1 Depth includes wallplate and backbox. Wallplate depth is 0.35" (9mm).																																					
2 Manual programming only. (No PC programming available).																																					
3 Counts as one of eight total control units per system.																																					



GP Dimming Panels LP Dimming Panels XP Softswitch™ Panels with Breakers DC Dimming Panels Custom Combination Panels

GP Dimming Panels

Lutron's highest performance architectural dimming panel for all applications.

LP Dimming Panels

Commercial dimming panel for handling numerous small loads.

XP Softswitch™ Panels

Million-cycle switching panel employs Lutron's patented Softswitch technology.

DC Dimming Panels

DC dimming for noise sensitive applications including MRI and sound studios.

Custom Combination Panels

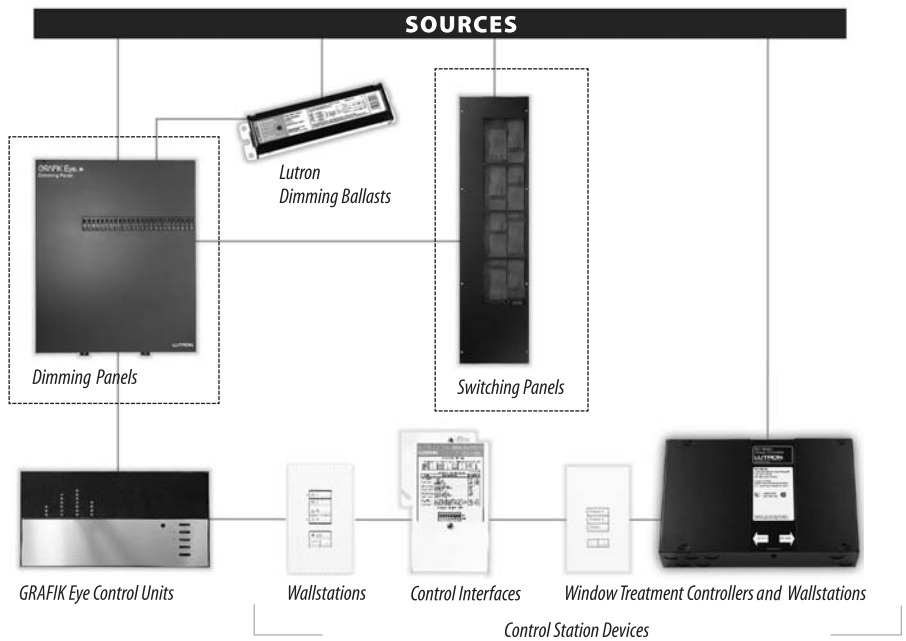
Custom dimming/switching panel tailored to your projects requirements.

GRAFIK Eye 4000 SYSTEM MAP

- Use the map at right to identify system component being reviewed in each section
- For overall wiring information, See pg. 34

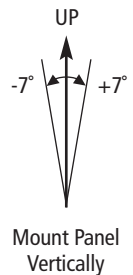
Sources

- Incandescent
- Magnetic Low-Voltage
- Electronic Low-Voltage
- Fluorescent
- Neon/Cold Cathode
- Lutron Tu-Wire®
- High-Intensity Discharge (non-dim only)
- Controllable Window Treatments



SPECIFICATIONS





- **Prewired:** Lutron power panels are prewired at the factory. Wire feed and load wiring only. No other wiring of assembly required.
- **Thermal Magnetic Breakers:** Circuit breakers are UL-rated thermal magnetic.
- **Lightning Strike Protection:** Power panels meet ANSI/IEEE standard 62.41-1980 and can withstand voltage surges of up to 6000V and current surges of up to 3000A.
- **No Flicker:** RTISS™ filter circuit technology compensates for incoming line voltage variations: No visible flicker with +/-2% change in RMS voltage/cycle and +/-2% Hz change in frequency/second.
- **Air Gap-off Switches:** Ensures an open circuit when off function is selected.
- **Arcless-relay:** Eliminate arcing at mechanical contacts when loads are switched.
- **Convection Cooled:** Patented, ribbed aluminum heat sink base cools panel by convection. No fans.
- **Enclosure:** NEMA-Type 1 (Type 2 available upon request), IP-20 protection; #16 U.S. Gauge steel. Indoors only.
- **Customization:** Panels can be customized to meet your needs, pg. 172.



Standards listed below apply to one or more products in the GRAFIK Eye product line. Consult factory for specific information.

LUTRON
Quality Systems
registered
to ISO 9001



Panel Type	GP	LP	XP Softswitch™	DCI
CHOOSING A PANEL				
Function	Lutron's highest performance architectural Dimming Panel for all applications	Commercial Dimming Panel for handling numerous small loads	Million-cycle Switching Panel employs Lutron's patented Softswitch technology	DC Dimming Panel for noise sensitive applications including MRI and sound studios
Voltage ¹	120V, 277V 220-240V (AU) 230V (CE) 100V (JA) ² 50 or 60Hz	120V, 220-240V (AU) 230V (CE) 50 or 60Hz	120V, 277V, 347V 220-240V (AU) 230V (CE) 50 or 60Hz	120V 60Hz
Panel Feed Type	Feed Through Main Lugs Main Breaker Dual Tap Main Lugs Isolator Switch	Main Lugs Main Breaker Isolation Switch	Feed Through Main Lugs	Feed Through
Number of Circuits	3-144	4-32 lighting zones (1-8 dimming modules)	4-48 (Feed Through Panels) 4-42 (Panels with Breakers)	1-3
Thermal Magnetic Circuit Breaker	1 per circuit	1 per module (4 lighting zones per module)	1 per circuit (for main lug panels only)	1 per circuit
Load Rating	2000W/VA ⁸ , 16A continuous/circuit 10A 230V (CE)	16A continuous/module 13A 230V (CE)	16A continuous/circuit	1200W continuous/circuit
Load Type ³	inc, mlv, elv ⁵ , fl ⁶ , n, cc, nd	inc, mlv, elv ⁵ , n, cc, nd, motor ⁷ , interface needed for fl ^{4,6}	All lamp types ⁶ and motor loads	inc
Lamp Noise Suppression	Architectural	Commercial	Not required	Inaudible
RFI Suppression	Highest-grade choke	High-grade choke	Switching only; no choke required	Specifically for noise-sensitive environments
Ambient Temperature	32°-104°F (0°-40°C)	32°-104°F (0°-40°C)	32°-104°F (0°-40°C)	32°-104°F (0°-40°C)
Mounting	Surface-mount (3-24 circuits) Floor mount (36-144 circuits)	Surface-mount or recessed between 16" studs	Surface-mount or recessed between 16" studs	Surface-mount (1-3 circuits)

Footnotes, pg. 41

- All voltages are nominal.
- JDP is similar in performance; only for installation in Japan; see pg. 157.
- Load type key: inc=incandescent, mlv=magnetic low-voltage, n=neon, cc=cold cathode, fl=fluorescent (magnetic and capacitive), elv=electronic low-voltage, nd=non-dim, HID.
- FDB Interface works with Lutron Eco-10™ (ECO-Series) and Hi-Lume® Electronic Fluorescent Dimming Ballasts.
- Contact Lutron Technical Support for a list of approved electronic low-voltage transformers.
- Ten Volt Module (option), see pg. 173.
- 3-wire AC motor types; Motor Module (option), see pg. 173.
- Measured current will not exceed continuous load rating due to voltage drop in the dimmer.