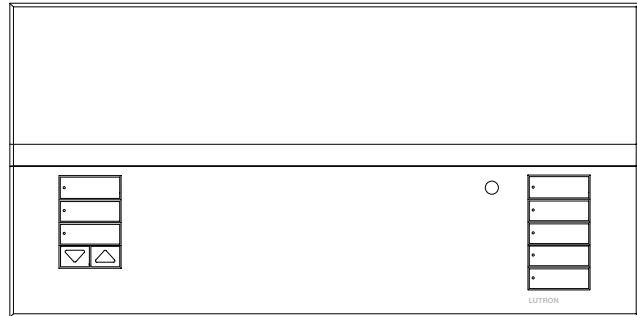


## GRAFIK Eye® QS

The GRAFIK Eye® QS controls up to six zones of light and will operate the following sources with a continuous Square Law dimming curve or on a full conduction non-dim basis:

- Incandescent
- Tungsten Halogen
- Electronic Low-Voltage (ELV) Switched
- Magnetic Low-Voltage (MLV) Transformer
- Metal Halide/High Pressure Sodium Switched
- Neon/Cold Cathode
- Lutron Tu-Wire® Electronic Fluorescent Dimming Ballasts

The GRAFIK Eye® QS can be configured for wired, QS link (HomeWorks® QS only), or wireless, RF link (HomeWorks® QS and RadioRA® 2), communication.



GRAFIK Eye® QS

## Models

Model Number	Zones	Voltage	Additional Features
QSGRJ-4P-XX*	4	120 V~, 220-240 V~	-
QSGRJ-6P-XX*	6	120 V~, 220-240 V~	-
QSGRJ-3P-1XX*	3	120 V~, 220-240 V~	1 extra button column
QSGRJ-3P-TXX*	3	120 V~, 220-240 V~	translucent cover
QSGRJ-3P-1XX*	3	120 V~, 220-240 V~	1 extra button column, translucent cover
QSGRJ-4P-1XX*	4	120 V~, 220-240 V~	1 extra button column
QSGRJ-4P-TXX*	4	120 V~, 220-240 V~	translucent cover
QSGRJ-4P-1XX*	4	120 V~, 220-240 V~	1 extra button column, translucent cover
QSGRJ-6P-1XX*	6	120 V~, 220-240 V~	1 extra button column
QSGRJ-6P-TXX*	6	120 V~, 220-240 V~	translucent cover
QSGRJ-6P-1XX*	6	120 V~, 220-240 V~	1 extra button column, translucent cover
QSGP-	Faceplate kit		

\* "XX" in the model number represents color/finish code. See **Colors and Finishes** at the end of the document.

# GRAFIK Eye® QS

## Specifications

<b>Model Numbers</b>	See previous page
<b>Power</b>	120 V~ 50/60 Hz 220–240 V~ (non CE) 50/60 Hz
<b>Typical Power Consumption</b>	7 W, 0 Power Draw Units (PDUs). <b>The GRAFIK Eye® QS is not powered from the link, Pin 2 should not be connected.</b> Typical Power Consumption test conditions: all loads off, one button LED on.
<b>Regulatory Approvals</b>	UL, CSA, FCC, IC, SCT, NOM, CEC (Title 24)
<b>Environment</b>	Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C) Ambient operating humidity: 0-90% humidity, non-condensing. Indoor use only.
<b>Communications</b>	<b>Wired (HomeWorks® QS only)</b> - Low-voltage type IEC PELV/NEC® Class 2 wiring connects GRAFIK Eye® QS to processor. Each HomeWorks® QS processor has two configurable links. GRAFIK Eye® QS communicates with the processor via the QS link. <b>RF (RadioRA® 2 and HomeWorks® QS)</b> - Lutron® wireless Clear Connect® Technology
<b>ESD Protection</b>	Tested to withstand electrostatic discharge without damage or memory loss, in accordance with IEC 801-2.
<b>Surge Protection</b>	Tested to withstand surge voltages without damage or loss of operation, in accordance with IEEE C62.41-1991 Recommended Practice on Surge Voltages in Low-Voltage AC Power Circuits.
<b>Power Failure</b>	Provides 10-year power failure memory: Automatically restores lighting to levels prior to power interruption.
<b>Mounting</b>	Installs in a standard 4-gang U.S. wallbox, 3½ in (89 mm) deep is strongly recommended. Always allow at least 4½ in (114 mm) clearance above and below the control unit to provide adequate space for cooling. Wallplate snaps on with no visible means of attachment.
<b>Line Voltage Wiring</b>	Each line voltage terminal can accept one 12 AWG (4.0 mm <sup>2</sup> ) wire.
<b>IEC PELV/NEC® Class 2 QS System Low-Voltage Wiring (HomeWorks® QS only)</b>	System communication uses low-voltage wiring. Wiring can be daisy-chained or T-tapped. Wiring must be run separately from line/mains voltage. IEC PELV/NEC® Class 2 wiring link requires: Two 18 AWG (0.75 mm <sup>2</sup> ) conductors for control power. One twisted, shielded pair of 22 AWG (0.34 mm <sup>2</sup> ) for data link. Available from Lutron, P/N GRX-CBL-346S; check compatibility in your area. Total length of control link must not exceed 2000 ft (610 m).
<b>Warranty</b>	<a href="http://www.lutron.com/TechnicalDocumentLibrary/Warranty.pdf">www.lutron.com/TechnicalDocumentLibrary/Warranty.pdf</a> <a href="http://www.lutron.com/TechnicalDocumentLibrary/Intl_Warranty.pdf">www.lutron.com/TechnicalDocumentLibrary/Intl_Warranty.pdf</a>

# GRAFIK Eye® QS

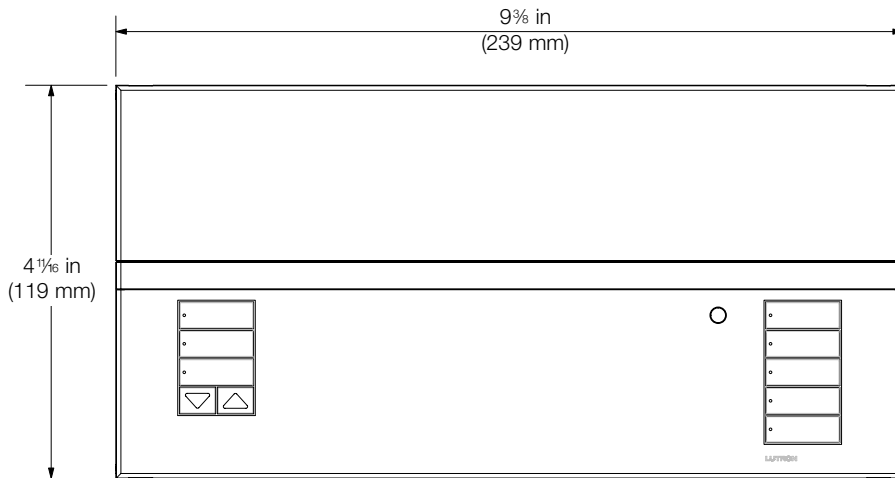
## Design Features

- Contains RTISS Equipped® technology to compensate in real time for incoming line voltage variations: No visible flicker with +/-2% change in RMS voltage/cycle and +/-2% change in frequency/second.
- Buttons are programmable to select scene or room preset levels or positions
- Wallplate snaps on with no visible means of attachment.
- Can be configured for wired, QS link (HomeWorks® QS only), or wireless, RF link (HomeWorks® QS and RadioRA® 2), communication.

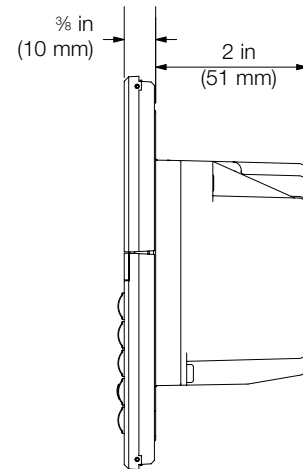
## Dimensions

Dimensions shown as: in (mm)

### Front View

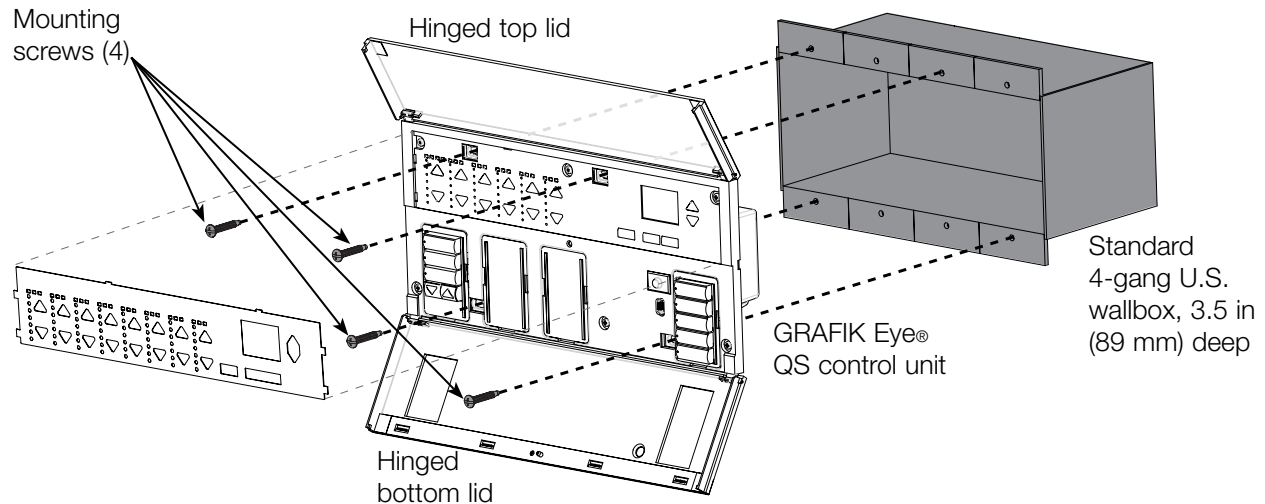


### Side View



Fits into a 4-gang U.S. backbox, 3.5 in (89 mm) deep; Lutron® P/N 241400

## Mounting



# GRAFIK Eye® QS

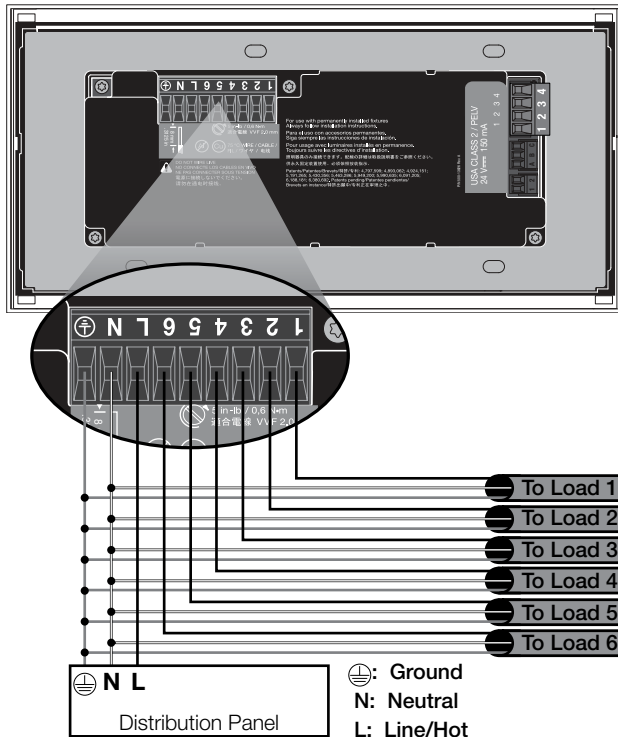
## Load Capacity

	120 V~ 50/60 Hz	220–240 V~ 50/60 Hz
<b>Unit Capacity (watts)</b>	2000 W	3000 W
<b>Magnetic Low-Voltage</b>	2000 VA / 1600 W	3000 VA / 2400 W
<b>Zone Capacity (watts)</b>	25–800 W	40–1200 W
<b>Magnetic Low-Voltage</b>	25–800 VA / 25–600 W	40–1200 VA / 40–960 W

## Load Type Notes

- When dimming Electronic Low-Voltage (ELV) lighting, an ELV interface (such as PHPM-PA-DV-WH) must be used with the control unit. Before installing an ELV light source, verify with the manufacturer that their transformer can be dimmed.
- When controlling 0–10 V loads, a Ten Volt Interface (GRX-TVI) must be used with the control unit.
- Not all zones must be connected; however, **connected zones must have a minimum load as specified above.**
- Maximum total lighting load for a Magnetic Low-Voltage (MLV) varies by input voltage **(specified above):**
  - 120 V~: 800 VA / 600 W
  - 220–240 V~: 1200 VA / 960 W
- No zone may be loaded with more than the capacity specified above. For higher wattage applications, or for 277 V~ applications, use Lutron® power module PPHPM-PA, PPHPM-WBX, PPHPM-PA-DV, PPHPM-SW, or PPHPM-WBX-DV.

## Power and Load Wiring

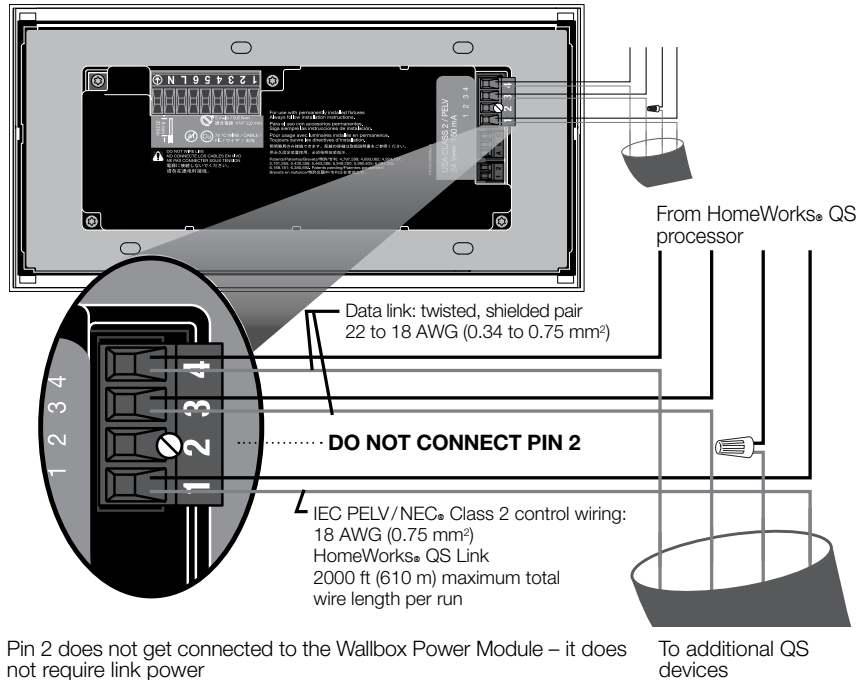


# GRAFIK Eye® QS

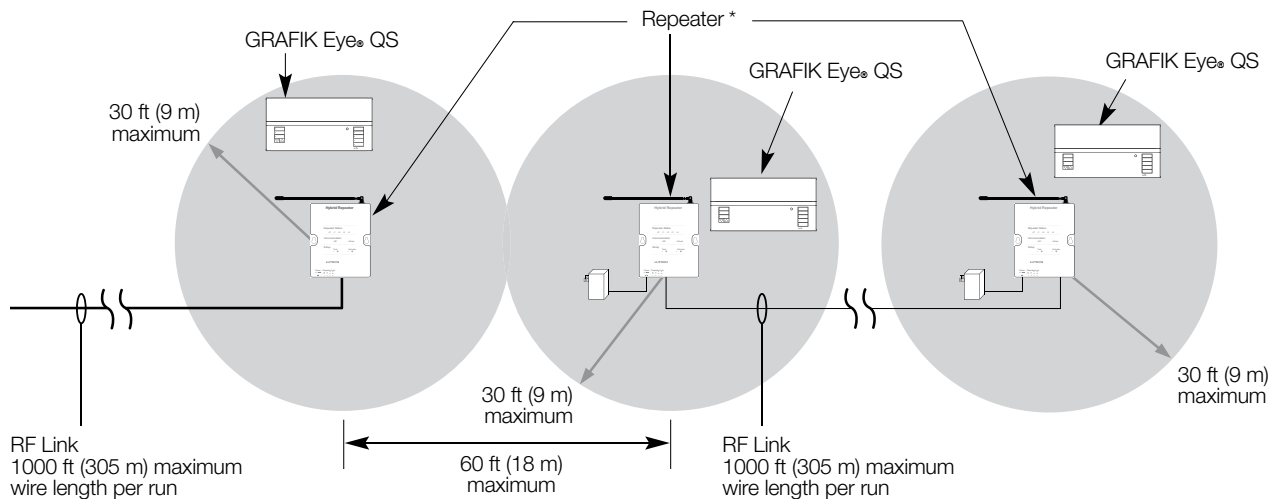
## Communications

HomeWorks® QS supports selection of wired or RF communications. A GRAFIK Eye® main unit that communicates back to a HomeWorks® QS processor through the RF link should not have any QS wired link connections. In RadioRA® 2 only RF communication is available.

### QS Link Wiring (HomeWorks® QS only)



### RF Link (RadioRA® 2 and HomeWorks® QS)

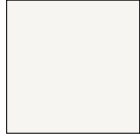


\* In HomeWorks® QS systems, use Hybrid Repeaters for range extension. In RadioRA® 2, the repeater shown may be either a main repeater (1 required) or auxiliary repeater (up to 4 permitted).

# GRAFIK Eye® QS

## Colors and Finishes

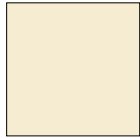
### Architectural Matte Finishes (standard)



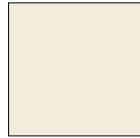
White  
WH



Ivory  
IV



Almond  
AL



Light  
Almond  
LA



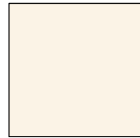
Gray  
GR



Brown  
BR



Black  
BL



Beige  
BE

### Architectural Metal Finishes (Faceplate kit only)



Satin Brass  
SB



Bright Brass  
BB



Bright Chrome  
BC



Clear Anodized  
Aluminum  
CLA



Black Anodized  
Aluminum  
BLA



Brass Anodized  
Aluminum  
BRA



Antique Brass  
QB



Antique Bronze  
QZ



Satin Chrome  
SC



Satin Nickel  
SN



Bright Nickel  
BN

- Due to printing limitations, colors and finishes shown cannot be guaranteed to perfectly match actual product colors.
- Color chip keychains are available for more precise color matching:  
Architectural Matte Finishes - AM-CK-1  
Architectural Metal Finishes - AMTL-CK-1

# GRAFIK Eye® QS

## Colors and Finishes (continued)

### Satin Finishes (Faceplate kit only)



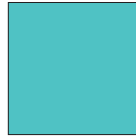
Hot  
HT



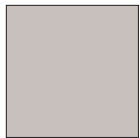
Merlot  
MR



Plum  
PL



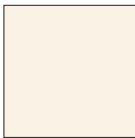
Turquoise  
TQ



Taupe  
TP



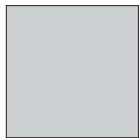
Eggshell  
ES



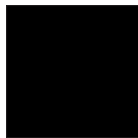
Biscuit  
BI



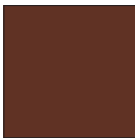
Snow  
SW



Palladium  
PD



Midnight  
MN



Sienna  
SI



Terracotta  
TC



Greenbriar  
GB



Bluestone  
BG



Mocha Stone  
MS



Goldstone  
GS



Desert Stone  
DS



Stone  
ST



Limestone  
LS

- Due to printing limitations, colors and finishes shown cannot be guaranteed to perfectly match actual product colors.
- Color chip keychains are available for more precise color matching:

Satin Finishes - SC-CK-1