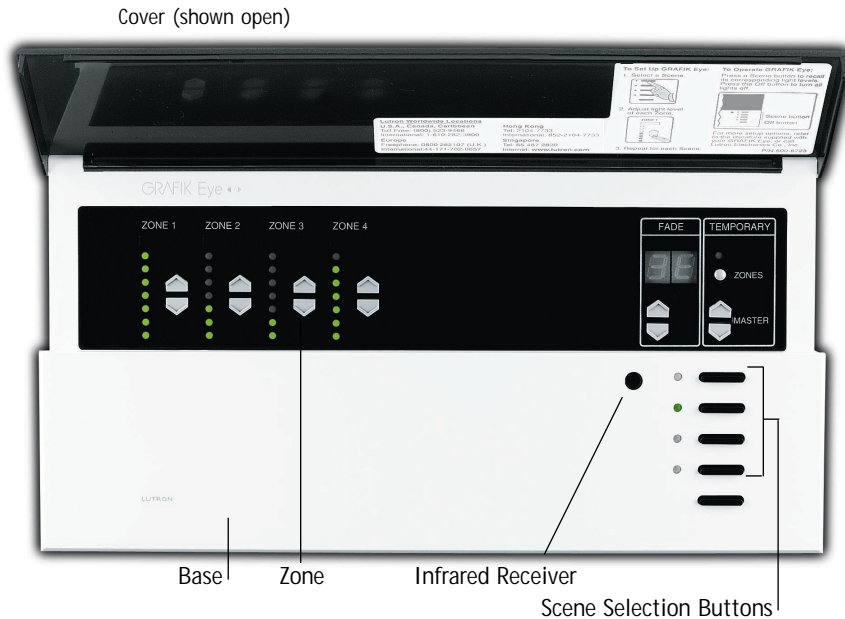


# GXI-3000 Control Units



### Preset Controls

- 4 preset lighting scenes and off for 4 zones, accessible from Control Unit faceplate.
- 12 additional scenes stored in Control Unit, accessible via Wallstations and/or Control Interfaces.
- Light levels fade smoothly between scenes. Fade time: 0-59 seconds or 1-60 minutes. Can be set differently for each scene.

### Key Design Features

- Meets IEC 801-2. Tested to withstand 15kV electrostatic discharge without damage or memory loss.
- Provides over current and short-circuit protection.
- Has a trimmable High End and Low End.
- Manual or automatic selection between leading edge or trailing edge dimming for low voltage transformers.
- Provides air gap isolation when the Off scene is selected.
- Provides 10-year power failure memory: Automatically restores lighting to levels prior to power interruption.
- Has faceplate that snaps on with no visible means of attachment.

### System Communications and Capacities

- Low-voltage type PELV wiring connects Control Units, Wallstations, and Control Interfaces:
- You can link up to 8 Control Units to control up to 32 zones.
  - You can add up to 16 total Wallstations and Control Interfaces for a total of 24 control points.

### Environment

- 0-40°C. Relative humidity less than 90% non-condensing.

### DESCRIPTION

- Provides push-button recall of four preset lighting scenes.
- Controls virtually any light source *without an interface*.
- Provides lockout options to prevent accidental changes.
- Includes built-in infrared receiver for operation with an optional remote control.

### Models available to:

- Accept 230V (CE) input power.
- Control four zones of lighting.
- Provide easy setup of preset lighting scenes:  
**GXI-3000 Control Units** provide standard setup via push-buttons on the Control Unit.






### SPECIFICATIONS

#### Input Power

- 230V (CE), 50Hz.
- Lightning Strike Protection: Can withstand voltage surges of up to 6000V and current surges up to 3000A.

#### Sources/Load Types

Operates these sources with a smooth continuous Square Law dimming curve or on a full conduction non-dim basis:

- Incandescent 
- Electronic low voltage 
- Magnetic low voltage 
- 0-10V and DSI\* ballasts; DALI - *intensity broadcast only* 
- Neon and cold cathode 

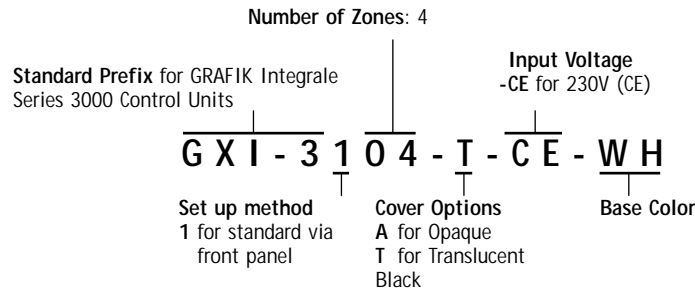
JOB NAME:	MODEL NUMBERS:
JOB NUMBER:	

**AVAILABLE MODEL** You can increase zone capacities by adding Power Interfaces.

**230V (CE) Input Power**

Number of Zones	Model Number	Unit Capacity	Zone Capacity	
			Dimmed/Switched Live Output	Ballast Control Output
4	GXI-3104-_-CE-__	2300W/VA	800W/VA	Up to 20 Ballasts

**HOW TO BUILD THE MODEL NUMBER**



**COLORS AND FINISHES**

**COVER OPTIONS**

Opaque **A**  
Cover and Base will match.

Translucent Black **T**  
Black cover and your choice of base color.

**BASE COLORS**

**Matte Finishes**  
Standard – Ships in 48 hours

White **WH**  
Ivory **IV**  
Beige **BE**  
Gray **GR**  
Brown **BR**  
Black **BL**

**BASE COLORS**

**Gloss Finishes**  
Ships in 4 to 6 weeks  
Cover Choice: **A** only

White **GWH**  
Light Almond **GLA**  
Almond **GAL**  
Ivory **GIV**

**BASE COLORS**

**Metal Finishes**  
Cover Choice: **T** only

Bright Brass **BB**  
Bright Chrome **BC**  
Satin Brass **SB**  
Satin Chrome **SC**  
Satin Nickel **SN**  
Antique Brass **QB**  
Antique Bronze **QZ**  
Bright Nickel **BN**

**BASE COLORS**


**Anodized Aluminum**

Clear **CLA**  
Black **BLA**  
Brass **BRA**  
Bronze **BZA**

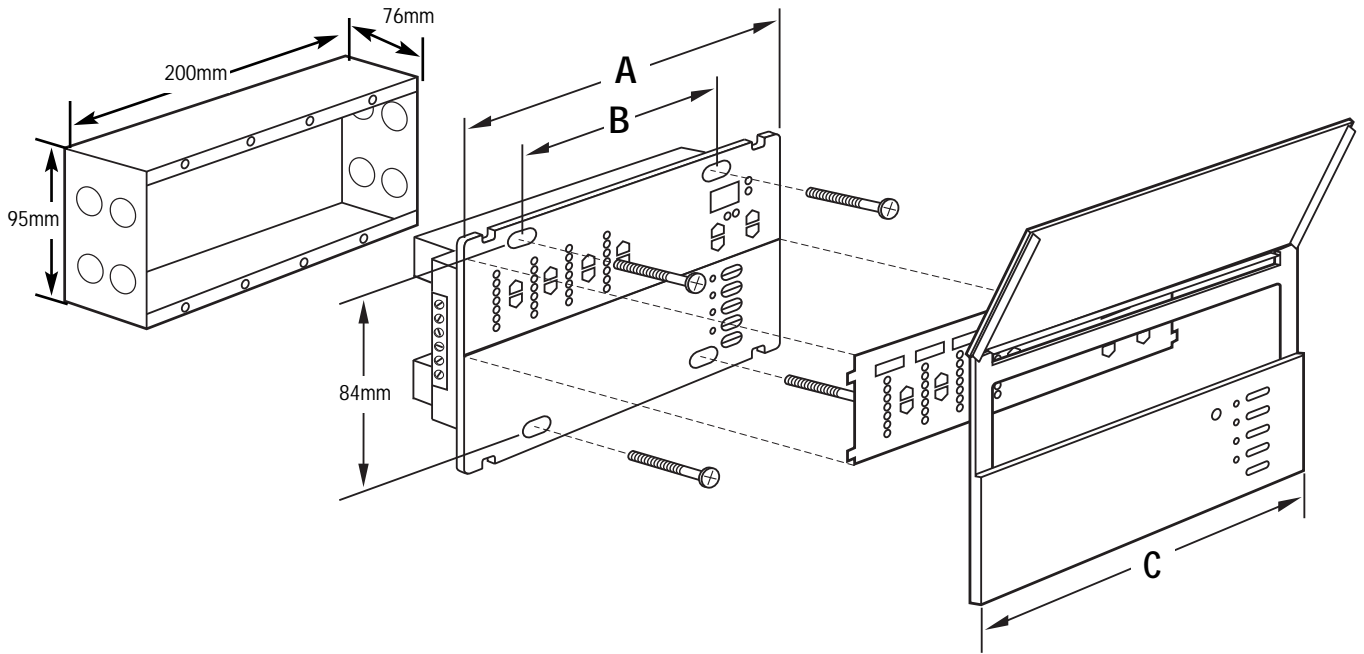
Custom Controls, color matching, and engraving available - Ships in 4 to 6 weeks.

JOB NAME:	MODEL NUMBERS:
JOB NUMBER:	

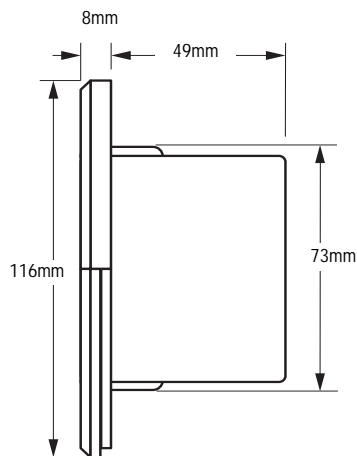
DIMENSIONS AND MOUNTING

MODEL		A	B	C	WALLBOX <sup>1</sup>	DEPTH
GXI-3104 CE		208mm	138mm	227mm	See dimensions below	70mm

<sup>1</sup> Can be ordered from Lutron, P/N 241-400 or 241-691 (old-work backbox).

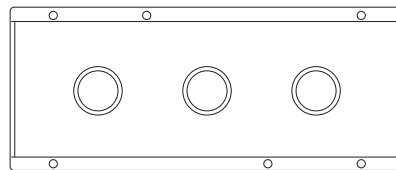


SIDE VIEW

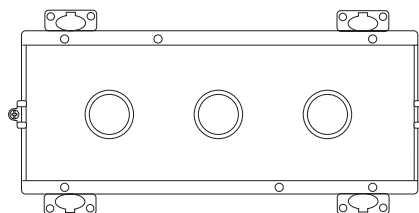


BACKBOX FRONT VIEWS

P/N 241-400



P/N 241-691 (old-work backbox)



JOB NAME:	MODEL NUMBERS:
JOB NUMBER:	

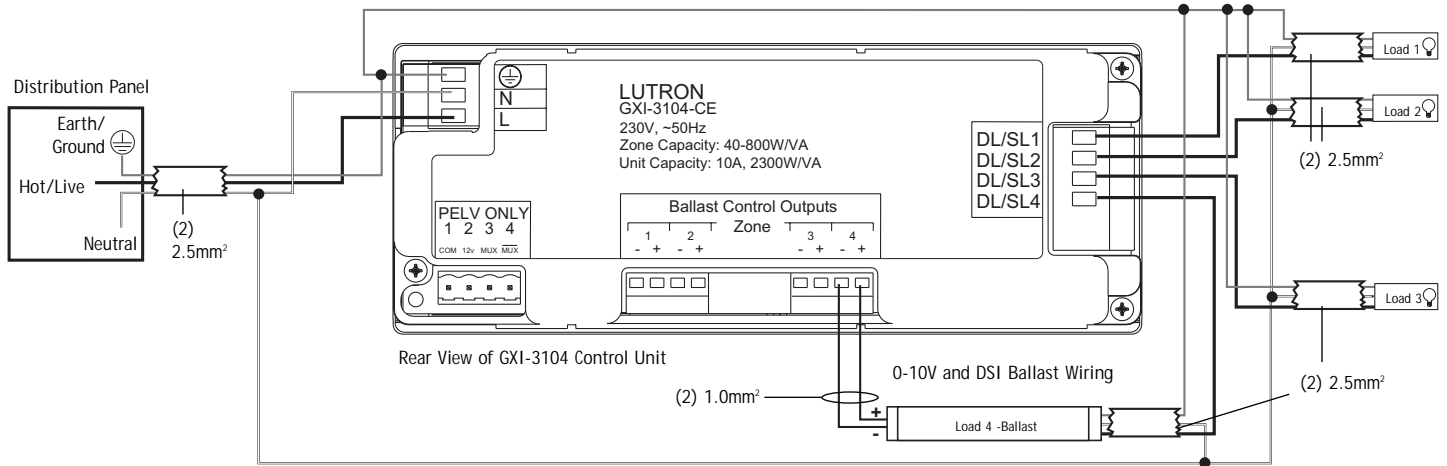
**230V (CE) MAINS VOLTAGE WIRING**

Pull power wiring from distribution panel and to light fixtures. Each line voltage terminal can accept up to two 2.5mm<sup>2</sup> wires.

For phase-to-neutral wiring, connect one phase to Live and the other phase to Neutral. When wired phase-to-phase, **the air gap does not break both phases while the Control Unit is Off**: the MCB(s) **must** be turned off when servicing the Control Unit or associated loads.

Consult Lutron for:

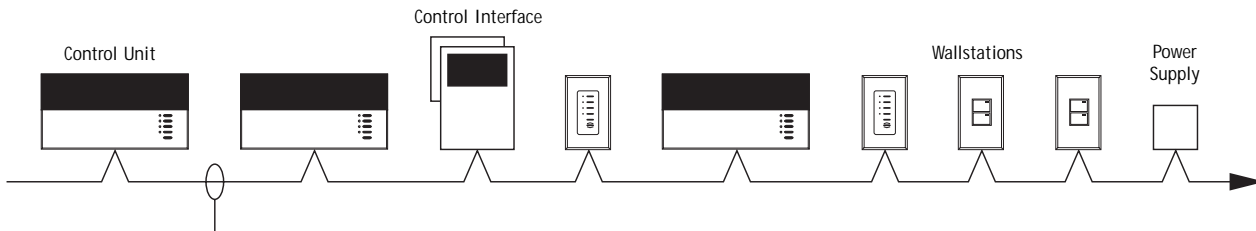
- Non-dim relay wiring.
- Load side emergency transfer wiring.



**LOW-VOLTAGE PELV WIRING**

Pull low-voltage PELV wiring for system communications.

- Must be daisy-chained.
- Must be less than 610m.
- Must run separately from line (mains) voltage.



**Four wires<sup>1</sup> for low-voltage PELV**

- Two 1.0mm<sup>2</sup> conductors for control wiring.
- One shielded, twisted pair 1.0mm<sup>2</sup> for data link.

<sup>1</sup> Can be ordered from Lutron as GRX-CBL-346S. Or, order from Belden, Alpha, Liberty, or Signature wire companies.

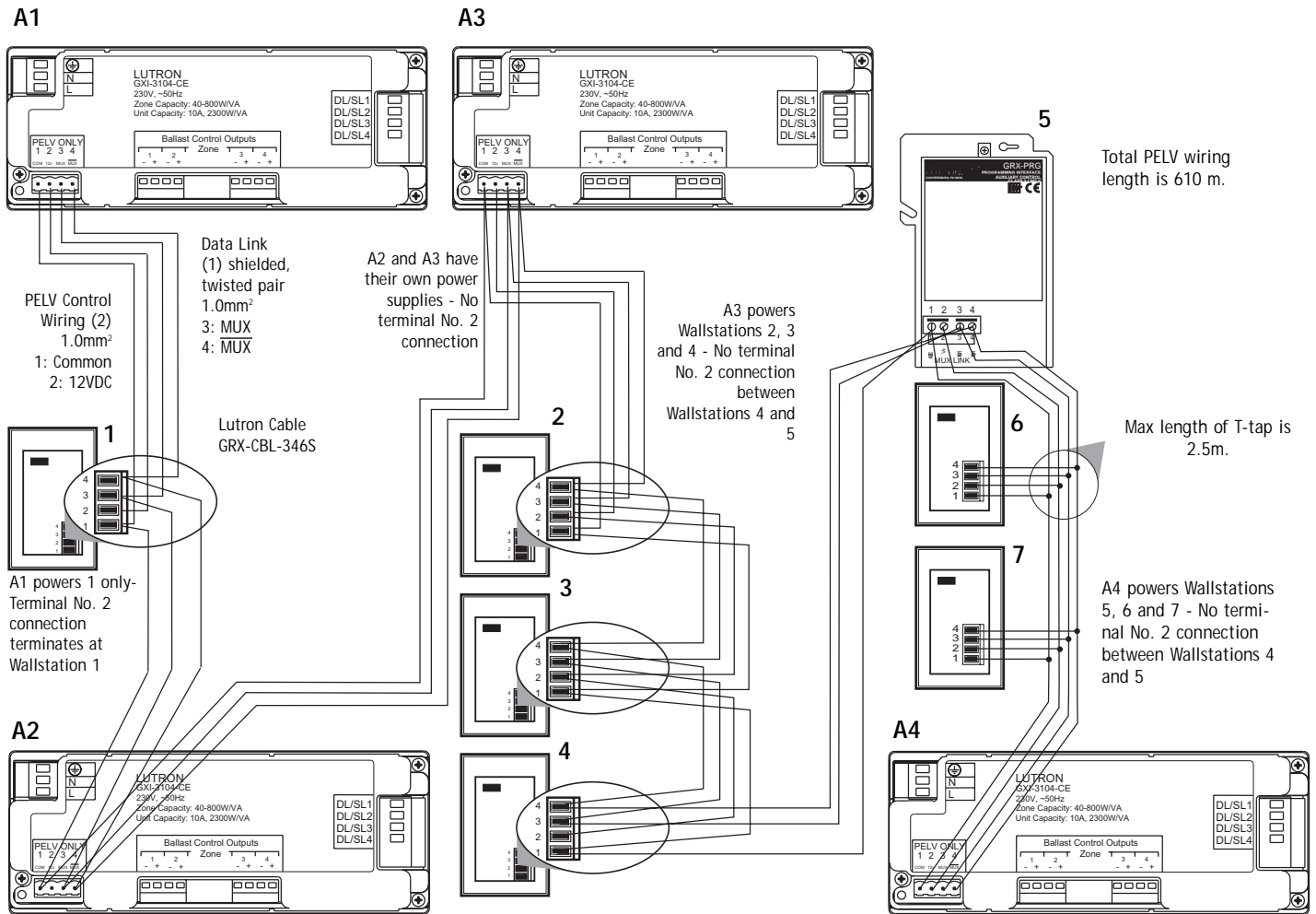
**External 12VDC Power Supply** required to power more than three Wallstations and/or Control Interfaces from a Control Unit.

JOB NAME:	MODEL NUMBERS:
JOB NUMBER:	

**PELV TERMINAL CONNECTIONS**

Each PELV terminal can accept up to two 1.0mm<sup>2</sup> wires.

1. Daisy chain the terminal 1, terminal 3, and terminal 4 connections to all Control Units, Wallstations, and Control Interfaces.
2. Each Control Unit has its own power supply. Terminate the terminal 2 connection (12VDC power) so that:
  - Each Control Unit supplies power to a maximum of three Wallstations.
  - Each Wallstation receives power from only one Control Unit.
3. Lutron recommends you make all connections in the Control Unit's wallbox. Remote connections must be in a switchbox or junction box with a maximum wire length of 2.5m from the link to the connected unit.
4. Do not allow PELV wires to contact line/main wires.



JOB NAME:	MODEL NUMBERS:
JOB NUMBER:	