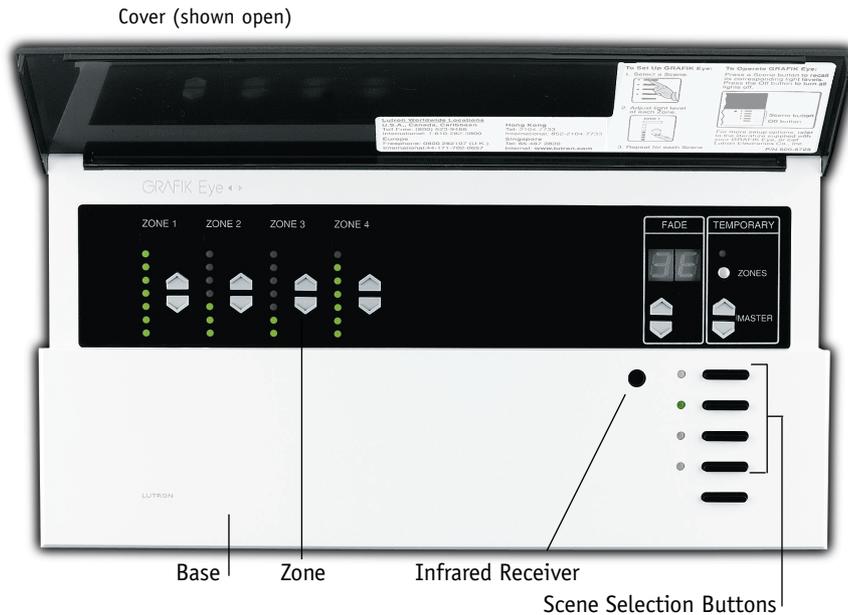


GXI-3000 Control Units



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 

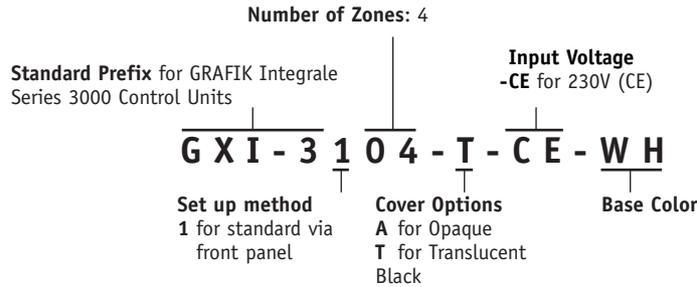
| | |
|-------------|----------------|
| JOB NAME: | MODEL NUMBERS: |
| JOB NUMBER: | |

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
Cover and Base will match.

Translucent Black
Black cover and your choice of base color.

A

T

BASE COLORS

Matte Finishes

Standard – Ships in 48 hours

White
Ivory
Beige
Gray
Brown
Black

WH
IV
BE
GR
BR
BL

BASE COLORS

Gloss Finishes

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

White
Light Almond
Almond
Ivory

GWH
GLA
GAL
GIV

BASE COLORS

Metal Finishes

Cover Choice: **T** only

Bright Brass
Bright Chrome
Satin Brass
Satin Chrome
Satin Nickel
Antique Brass
Antique Bronze
Bright Nickel

BB
BC
SB
SC
SN
QB
QZ
BN

BASE COLORS

Anodized Aluminum

Clear
Black
Brass
Bronze

CLA
BLA
BRA
BZA

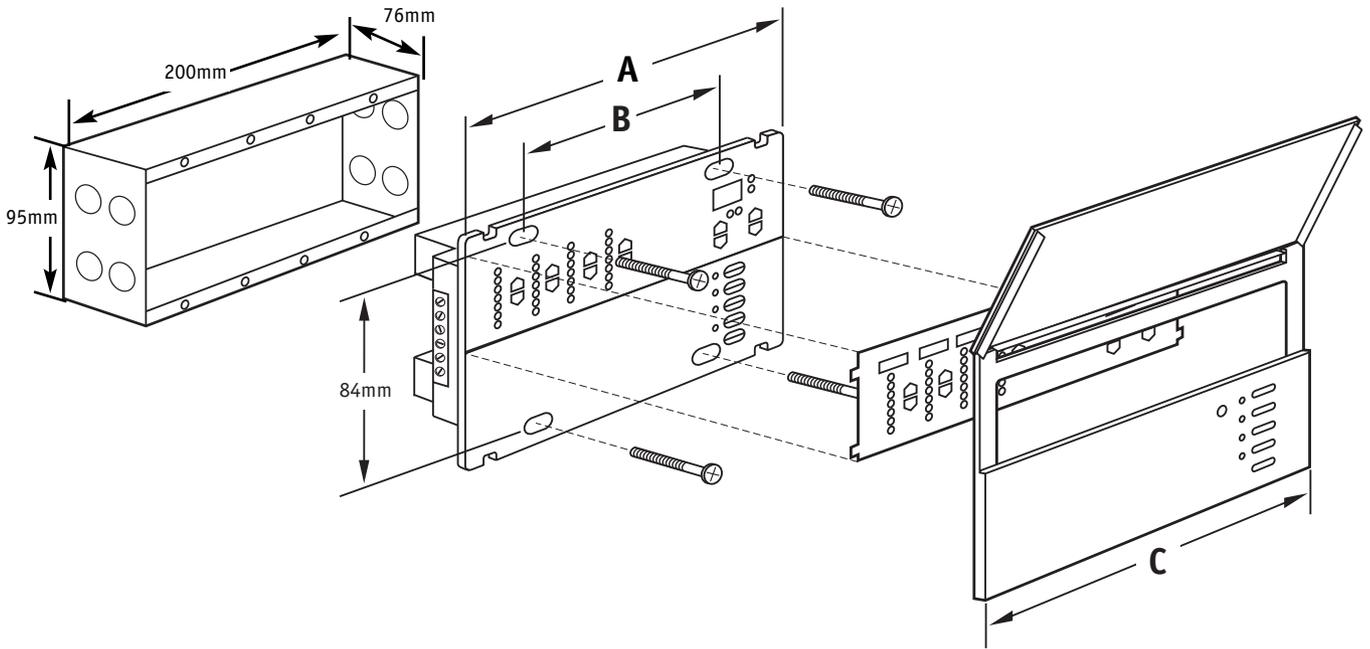
Custom Controls, color matching, and engraving available - Ships in 4 to 6 weeks.

| | |
|--------------------|-----------------------|
| JOB NAME: | MODEL NUMBERS: |
| JOB NUMBER: | |

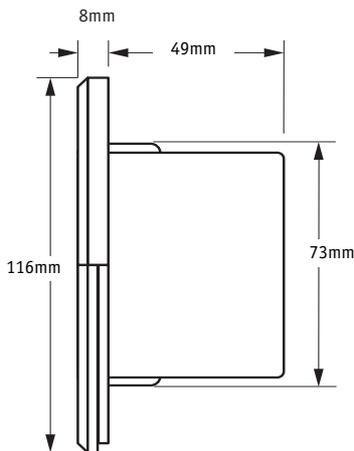
DIMENSIONS AND MOUNTING

| MODEL | | A | B | C | WALLBOX ¹ | DEPTH |
|-------------|---|-------|-------|-------|----------------------|-------|
| GXI-3104 CE |  | 208mm | 138mm | 227mm | See dimensions below | 70mm |

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

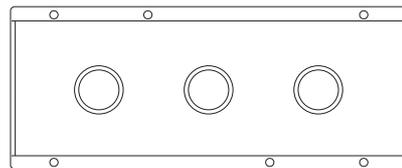


SIDE VIEW

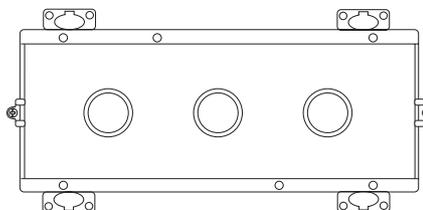


BACKBOX FRONT VIEWS

P/N 241-400



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



| | |
|-------------|----------------|
| JOB NAME: | MODEL NUMBERS: |
| JOB NUMBER: | |

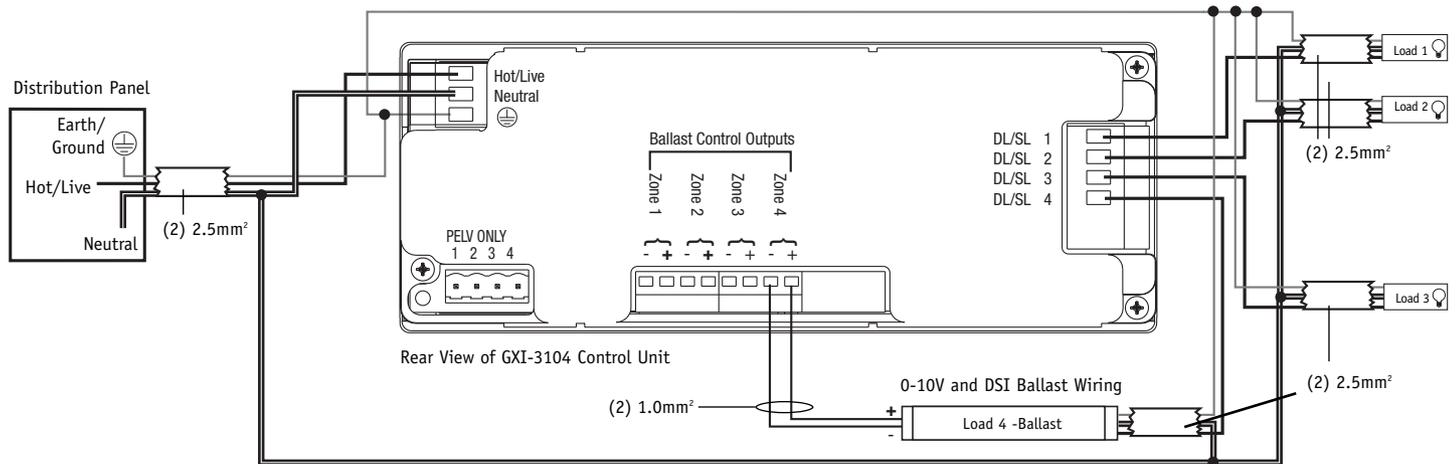
230V (CE) MAINS VOLTAGE WIRING

Pull power wiring from distribution panel and to light fixtures. Each line voltage terminal can accept up to two 2.5mm² 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:

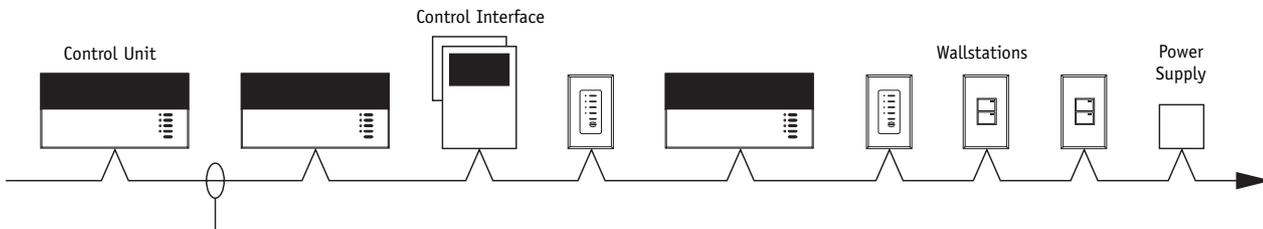
- Non-dim relay wiring.
- Load side emergency transfer wiring.



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 wires¹ for low-voltage PELV

- Two 1.0mm² conductors for control wiring.
- One shielded, twisted pair 1.0mm² for data link.

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

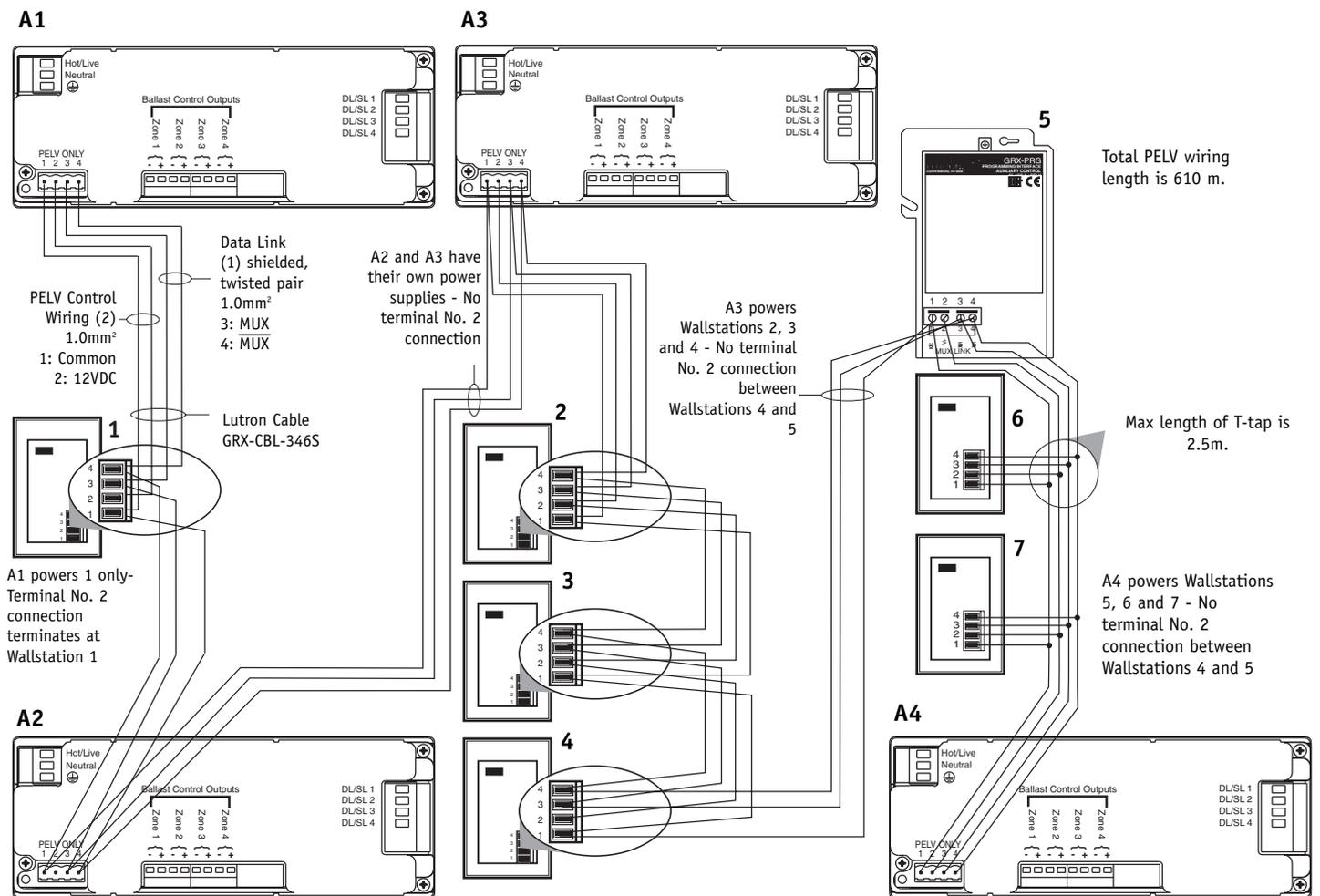
External 12VDC Power Supply required to power more than three Wallstations and/or Control Interfaces from a Control Unit.

| | |
|-------------|----------------|
| JOB NAME: | MODEL NUMBERS: |
| JOB NUMBER: | |

PELV TERMINAL CONNECTIONS

Each PELV terminal can accept up to two 1.0mm² 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: | |