

# OMX-3600 Control Units

Cover (shown open)



### Preset Controls

- 4 preset lighting scenes and off for up to 6 zones, accessible from Control Unit faceplate<sup>1</sup>.
- Additional scenes stored in Control Unit, accessible via Wallstations, Control Interfaces, and/or PC.
- 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.
- RTISS™ circuitry compensates in real time for incoming line voltage variations: No visible flicker with +/-2% change in RMS voltage/cycle and +/-2% Hz change in frequency/second.
- 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 Class 2 (PELV) wiring connects Control Units to other system components.
- The OMX-3600 Control Unit counts as one of 32 maximum Wallstations and/or Control Interfaces allowed on a Class 2 (PELV) Wallstation Link.

### Environment

32-104°F (0-40°C). Relative humidity less than 90% non-condensing.

### DESCRIPTION

- Used with GRAFIK 5000/6000 lighting control systems.
- Supply power and dimming for up to six zones (circuits) of lighting<sup>1</sup>.
- Control virtually any light source.
- Provide pushbutton recall of four preset lighting scenes.
- Provide lockout options to prevent accidental changes.
- Include built-in infrared receivers.

### Models available to:

- Accept 100V, 120V, 220-240V(non-CE) and 230V(CE) input power.
- Control two to six zones of lighting<sup>1</sup>.

<sup>1</sup> These do not count towards the maximum number of Processor zones.

### SPECIFICATIONS

#### Input Power

- 100V, 120V, 220-240V (non CE) or 230V (CE). 50/60Hz.
- Lightning Strike Protection: Meets ANSI/IEEE standard 62.41-1980. 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:

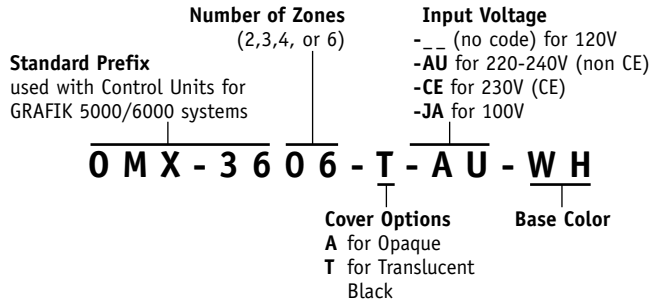
- Incandescent (Tungsten)/Halogen
- Magnetic Low Voltage Transformer
- Lutron Tu-Wire Electronic Fluorescent Dimming Ballast
- Neon and Cold Cathode

Operates these sources with a smooth continuous Square Law dimming curve through separate power interfaces:

- Electronic Low Voltage Transformer
- Lutron Fluorescent Electronic Dimming Ballast

JOB NAME:	MODEL NUMBERS:
JOB NUMBER:	

**HOW TO BUILD A MODEL NUMBER**



**MODELS** You can increase zone capacities by adding Power Interfaces.

**120V Input Power**

NUMBER OF ZONES	MODEL NUMBER	UNIT CAPACITY (WATTS/VA)	ZONE CAPACITY (WATTS/VA)
2	OMX-3602- __ -__	1200	800
3	OMX-3603- __ -__	1500	800
4	OMX-3604- __ -__	2000	800
6	OMX-3606- __ -__	2000	800

**220 – 240V (non CE) Input Power**

NUMBER OF ZONES	MODEL NUMBER	UNIT CAPACITY (WATTS/VA)	ZONE CAPACITY (WATTS/VA)
2	OMX-3602- __ -AU- __	1600	1200
3	OMX-3603- __ -AU- __	2400	1200
4	OMX-3604- __ -AU- __	3000	1200
6	OMX-3606- __ -AU- __	3000	1200

**230V (CE) Input Power**

NUMBER OF ZONES	MODEL NUMBER	UNIT CAPACITY (WATTS/VA)	ZONE CAPACITY (WATTS/VA)
2	OMX-3602- __ -CE- __	1600	800
3	OMX-3603- __ -CE- __	2300	800
4	OMX-3604- __ -CE- __	2300	800
6	OMX-3606- __ -CE- __	2300	800

**100V Input Power**

NUMBER OF ZONES	MODEL NUMBER	UNIT CAPACITY (WATTS/VA)	ZONE CAPACITY (WATTS/VA)
2	OMX-3602- __ -JA- __	1000	600
3	OMX-3603- __ -JA- __	1250	600
4	OMX-3604- __ -JA- __	1600	600
6	OMX-3606- __ -JA- __	1600	600

**COVER OPTIONS**

Opaque **A**  
 Cover and Base will match.  
 Translucent Black **T**  
 Black cover and your choice of base color.

**BASE COLORS**

**Matte Finishes**

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

**Gloss Finishes**

Cover Choice: **A** only  
 White **GWH**  
 Light Almond **GLA**  
 Almond **GAL**  
 Ivory **GIV**

**Metal Finishes**

Cover Choice: **T** only  
 Bright Brass **BB**  
 Bright Chrome **BC**  
 Bright Nickel **BN**  
 Satin Brass **SB**  
 Satin Chrome **SC**  
 Satin Nickel **SN**  
 Antique Brass **QB**  
 Antique Bronze **QZ**

**Anodized Aluminum**

Clear **CLA**  
 Black **BLA**  
 Brass **BRA**

Custom Controls, color matching, and engraving available

**DELIVERY**

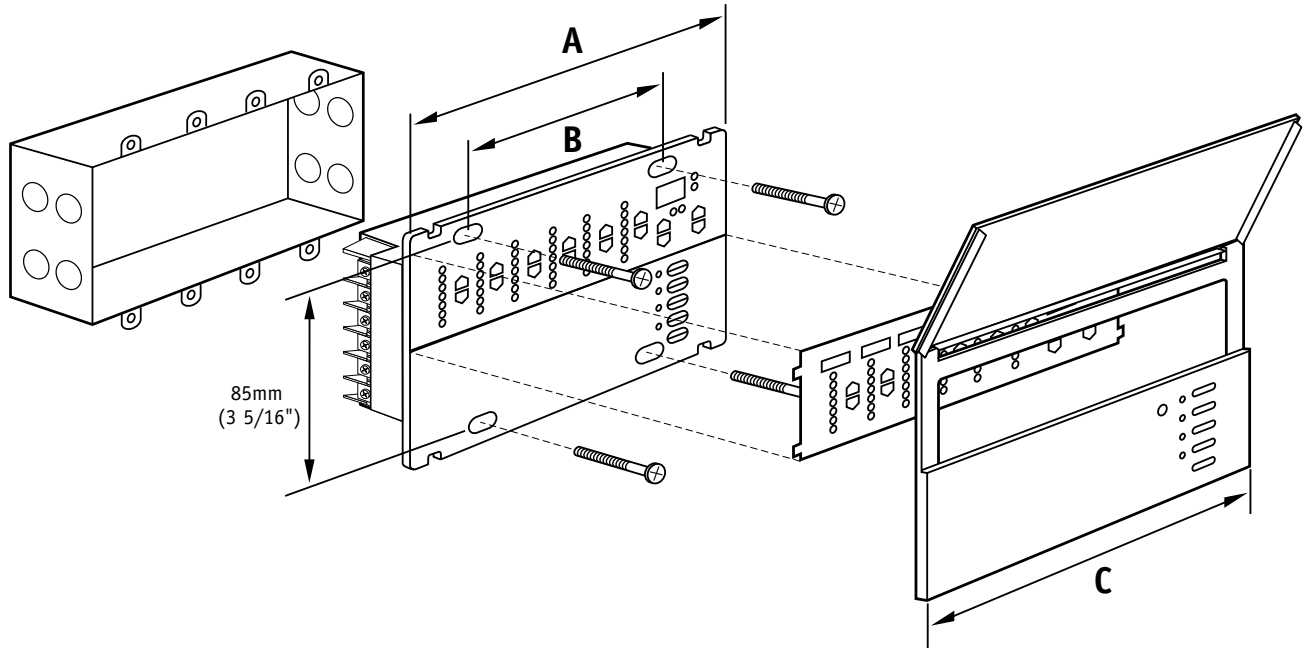
Control Units ship in 4 to 6 weeks depending on system delivery.

<b>JOB NAME:</b>	<b>MODEL NUMBERS:</b>
<b>JOB NUMBER:</b>	

**DIMENSIONS AND MOUNTING** (all voltages)

MODEL	SIDE VIEW	A	B	C	WALLBOX <sup>1</sup> CE SIZE	DEPTH
2-Zone: OMX-3602 "CE"		208mm (8 5/16")	138mm (5 7/16")	227mm (8.94")	4 Gang U.S.	89mm (3.5")
3-Zone: OMX-3603 "CE"		208mm (8 5/16")	138mm (5 7/16")	227mm (8.94")	4 Gang U.S.	89mm (3.5")
4-Zone: OMX-3604 "CE"		208mm (8 5/16")	138mm (5 7/16")	227mm (8.94")	4 Gang U.S.	89mm (3.5")
6-Zone: OMX-3606 "CE"		208mm (8 5/16")	138mm (5 7/16")	227mm (8.94")	4 Gang U.S.	89mm (3.5")

<sup>1</sup> Can be ordered from Lutron as Part Number 241-400 (1 Gang gangable boxes).



<b>JOB NAME:</b>	<b>MODEL NUMBERS:</b>
<b>JOB NUMBER:</b>	

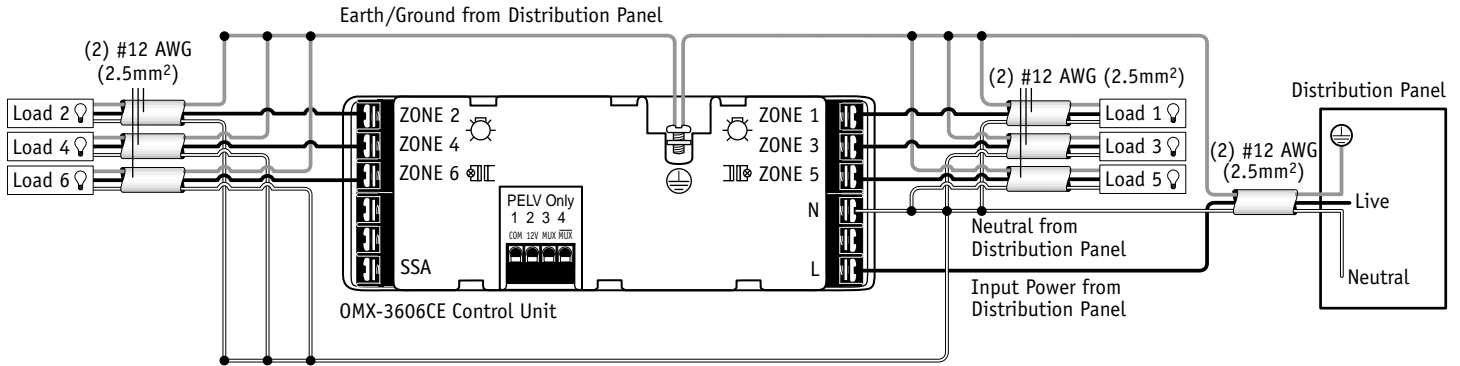
**230V (CE) MAINS VOLTAGE WIRING**

Pull power wiring from distribution panel and to light fixtures. Each line voltage terminal can accept up to two 2.5mm<sup>2</sup> (#12 AWG) wires.

For phase-to-phase wiring, connect one phase to Hot/Live and the other phase to Neutral. When wired phase-to-phase, **there is no air gap** when 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
- GFI (Ground Fault Interrupt)
- Other custom wiring options

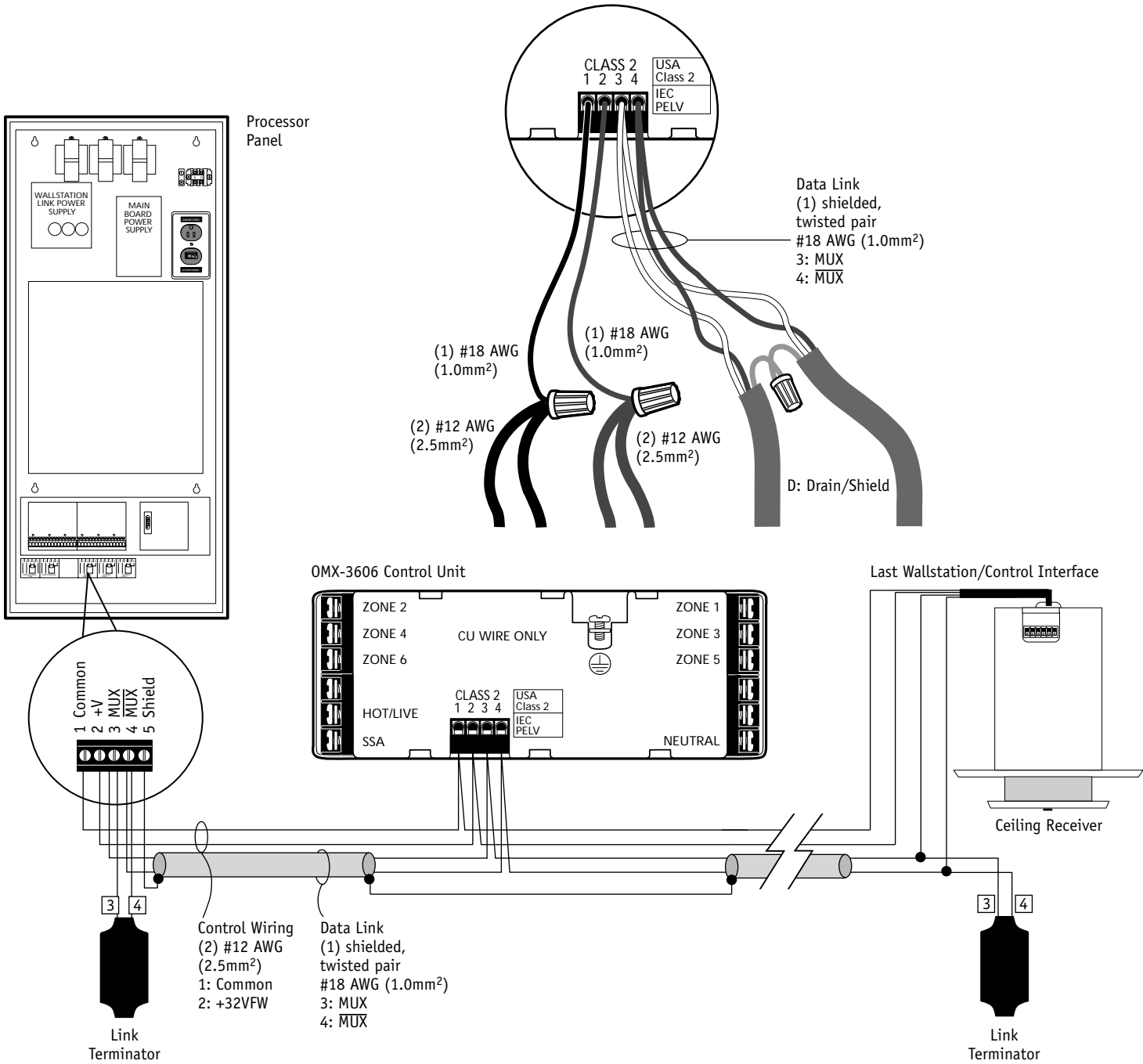


JOB NAME:	MODEL NUMBERS:
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**LOW-VOLTAGE CLASS 2 (PELV) WIRING**

- **Daisy-chain all wiring!** Make connections in the Control Unit's wallbox. Or, in a switchbox or junction box with a maximum wire length of 8 feet (2.5m) from the link to the Control Unit.
- **Pigtail the #12 AWG (2.5mm<sup>2</sup>) conductors.** Each Class 2 PELV terminal can accept only two #18 AWG (1.0mm<sup>2</sup>) wires. The #12 AWG (2.5mm<sup>2</sup>) wires won't fit. Connect as shown.

- **Keep Shield/Drain continuous but do not ground:**
  - Connect the bare drain wires and cut off the outside shield.
  - Do not connect to Ground (Earth) or Wallstation/Control Interfaces.
- **Begin and end wiring link with Link Terminators!**



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