Custom Combination Panel

Custom Combination Panels can be built-to-order to provide the following capabilities on a project-by-project basis:

- Dimming Modules for incandescent (tungsten)/halogen, magnetic low-voltage, neon/cold cathode, and Tu-Wire® Lutron ballasts
- Dimming Modules for electronic low-voltage sources
- Switching Modules for all sources
- Control Modules for operating 0-10V or DSI loads
- Motor Modules for 3-wire AC Motorized Window Treatments

Modules listed above can be combined into one Panel. Contact Lutron for possible module combinations that will meet the specific needs of your project.

Panel Configurations

120V (main lugs, main breakers)

	TVM	LP	ELV	motor	XP
option 1:	12 +	Any Combination up to 8 modules			
option 2:		Any Combination up to 7 modules			
option 3:	12 +	Any Combination up to 5 modules			

220-240V (AU), 230V (CE) (main breakers, isolator switch)

	TVM	LP	ELV	motor	XP
option 1:	12 +	Any Combination up to 8 modules			
option 2:	12 +	Any Combination up to 6 modules			

Sources

- Incandescent
- Magnetic Low-Voltage
- Electronic Low-Voltage
- Fluorescent
- Neon/Cold Cathode
- High-Intensity Discharge

DESIGN OPTIONS

- Input feed – main lugs, main breakers, isolators switch
- Branch breakers – 13A, 15A, 16A, or 20A
- Panel voltage – 120V, 220V-240V, 230V (CE)
- Operates on 50 or 60 Hz power
- Panel feed – split phase or three phase
- 2Link™ option – provides a second control link that automatically detects the presence of a DMX512 stage console

SPECIFICATIONS

- All voltages indicated are phase-to-neutral
- Each dimming module has four independently dimmed switch legs, which share a common air-gap switch
- Common neutrals are not permitted; run separate neutrals for each control load
- Panels may be in the middle of a control link; control link must be daisy-chained
- System can include a combination of GP, LP, XP, DCI and Custom Combination Panels
- Power Panel installation instructions are available in multiple languages; contact Lutron or visit the Lutron website for more information

SYSTEMS

GRAFIK Eye®
4000 Series pg. 32

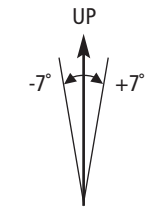
Centralized Lighting Control System
seeTouch pg. 88

STANDARDS

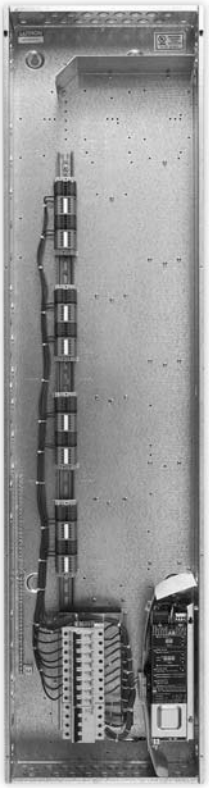
Standards listed below apply to one or more products in the Lutron product line. Consult factory for specific information.

MOUNTING

- Indoor use only; NEMA Type 1 enclosure, IP-20 protection
- Panel generates heat; mount only where ambient temperature will be 0-40ºC (32-104ºF) with a non-condensing relative humidity < 90%
- Flush mount between 16" studs or surface mount
- Panels must mount within 7º of true vertical



Mount Panel Vertically



Dimensions

W: 15.88" (404mm)
H: 59.50" (1514mm)
D: 4.25" (108mm)

wt: 80 lbs (37kg)
Ship wt: 90 lbs (41kg)

TVM MODULE *Up to 12 Modules per Panel*

- Each Module controls two consecutive dimming legs of lighting for 0-10V[2], DSI[3] ballasts, or PWM ballasts
- For every two TVM Modules, one LP Dimming or XP Switching Module MUST be present
- 50 mA maximum low-voltage ballast control current per dimming leg
- 750 mA maximum low-voltage ballast control current per panel
- Sinks and sources current

LP DIMMING MODULE

- Incandescent (tungsten)/halogen, magnetic low-voltage, leading edge electronic low voltage, neon/cold cathode, fluorescent with **Tu-Wire**[1]® Lutron Ballasts, non-dim (previous loads)
- Four lighting circuits per Module
- 16A continuous total per Module, 16A per dimmer (non CE)
- 13A continuous total per Module, 10A per dimmer (CE)

ELV DIMMING MODULE

- Trailing edge electronic low-voltage transformer incandescent (tungsten)/halogen
- Four dimmers per Module
- 16A continuous total per Module, 10A per dimmer

MOTOR MODULES

- Controls up to four three-wire AC motors
- Maximum load per motor module is 16A; 120VAC
- Maximum load per AC motor is 5A (1/4 hp); 120VAC
- Use with **GRAFIK Eye**® model number GRX-350X-X-XX-CPN1622 or **Centralized Lighting Control Systems**

XP SWITCHING MODULE

- Switches all lighting sources
- Four 16A switching circuits per Module
- Controls AC motor loads

Footnotes, pg. 173

1 For information on Lutron **Tu-Wire** Dimming Ballasts, order P/N 366-002.
2 For information on Lutron Eco-10™ (**TVE Series**) 0-10V Dimming Ballasts, see pg. 237.
3 Tridonic DSI is a trademark of Tridonic Bauelmente GmbH. DALI intensity broadcast is available. This function is the same as DSI; the ballasts are NOT addressable.

Product	Model
EMERGENCY LIGHT INTERFACE	**LUT-ELI-3PH**

Dimensions

W: 5.00" (127mm)
H: 7.75" (197mm)
D: 2.50" (64mm)

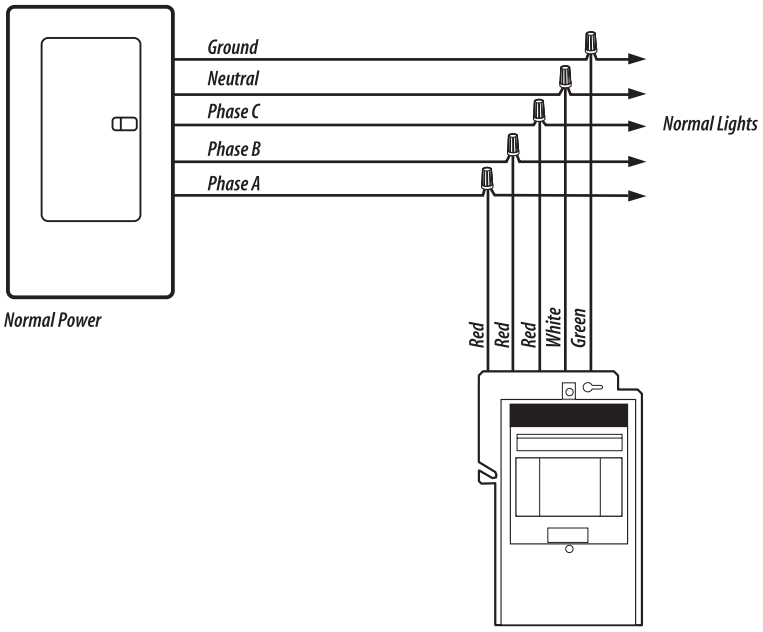
Mounts on a 4.00"-square utility box

The LUT-ELI is UL924 Listed as "Emergency Lighting and Power Equipment."
The LUT-ELI is to be used in conjunction with Lutron GRAFIK Systems GP, LP dimming panels, XP switching panels (Circuit Selector) and RadioTouch Controllers. The LUT-ELI senses the normal (non-essential) line voltage on all three phases (3PH) of normal power. When one or more phases of power are lost, the LUT-ELI will send a signal to the RadioTouch Controller or Circuit Selector with emergency (essential) power, causing it to enter the emergency lighting mode. Any lights controlled by these devices will go to the emergency light level setting (factory set to 100% intensity). When normal power is restored the lights will return to their previous intensities.

The interface mounts to a standard 4" x 4" junction box. It is powered by RadioTouch, GP, XP, or LP panel's 24-volt supply. The interface can detect 100 to 347 VAC 50/60 Hz.

- UL 924 Listed
- Pilot light indicates the phase status
- A test switch is provided to simulate an emergency situation
- The interface has normally open or normally closed inputs for a Fire Alarm Control Panel (FACP)
- Can be used with up to 32 circuit selectors or 100 RadioTouch Controllers
- Sense voltage range is 100-347VAC 50/60Hz, 3 Phase
- Sense voltage input to the LUT-ELI MUST be from the NORMAL (Non-Essential) power source.

3 PHASE DIAGRAM



Guide to Power Source Wiring

Wire:	Connects to:
Red Wire	Phase A
Red Wire	Phase B
Red Wire	Phase C
White Wire	Neutral
Green Wire	Ground