

LUMICON Series – Digital Strobe Power Supply

The LUMICON series of power supplies provide lighting control for standard LED lights through strobe lighting. The LED units are overdriven within a safe limit for precise time durations to achieve high intensity (which cannot be achieved through conventional ON/OFF control) and long lifetime. The strobe illumination time can be set from 10us to 999us independently. Models are available to support both 12V and 24V LED units. They are equipped with 2 or 4 channels, each with its individual opto-isolated trigger input. Easy to use PC software allows for quick and secure setup.



Models

RS-232	
LX-0212-A	Two Channel 12V LED (RS-232)
LX-0224-A	Two Channel 24V LED (RS-232)
LX-0412-A	Four Channel 12V LED (RS-232)
LX-0424-A	Four Channel 24V LED (RS-232)
USB*	
LX-0212-B	Two Channel 12V LED (USB)
LX-0224-B	Two Channel 24V LED (USB)
LX-0412-B	Four Channel 12V LED (USB)
LX-0424-B	Four Channel 24V LED (USB)

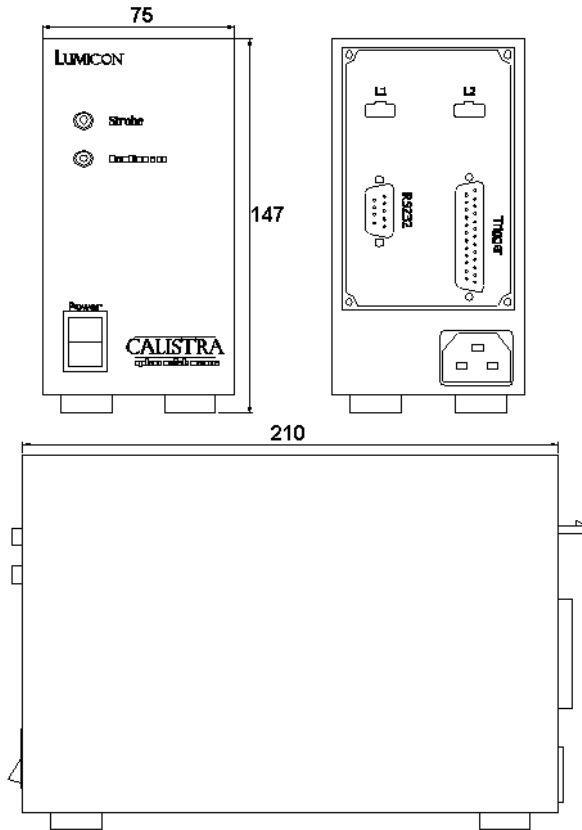
*USB models are planned for the future but can be made to order

Specifications

Input Voltage	90 Vac to 260 Vac (50/60 Hz)
Output	12V at 45W max (LX-xx12-Z) 24V at 45W max (LX-xx24-Z) If triggers are simultaneous, this max is shared between all channels triggered to a max of 45W per channel
Trigger Mode	Continuous using internal trigger. Strobed with external trigger. Trigger mode applies to ALL channels

Trigger Interval	Continuous – 1 msec fixed Strobed – 1 msec min, greater than pulse width x 4
Intensity	Continuous – 10 to 500 μ sec pulse per channel Strobed – 10 to 990 μ sec pulse per channel
Trigger input	At least 20 μ sec pulse into opto-isolated inputs. 5mA typical – ON current
PC Interface	RS-232 (LX-xxxx-A), or USB (LX-xxxx-B)
Trigger Delay	10 μ sec max.
I/O Connectors	
Output	12V lighting SMP-02V-BC (JST) 24V lighting SMP-03V-BC (JST)
Trigger input	25-way DSUB socket with hood
PC	RS232: 9-way DSUB plug to 9-way DSUB socket cable USB: USB type-B plug to USB type-A plug cable

Dimensions



Units are in millimeter .

LX-0224-A version

All the models have similar dimensions.

