

# Light Controller (LC-8/LC-16)



## Specifications

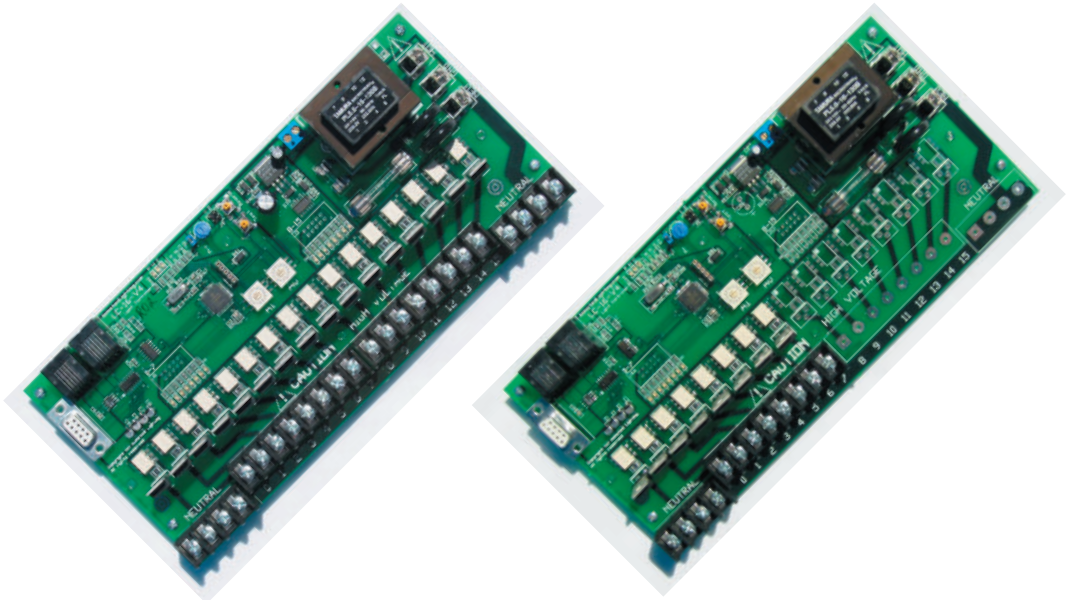
- **Channels:** 8 (LC-8) or 16 (LC-16)
- **Channel Capacity:** 10 amps per channel
- **Board Capacity:** 15 amps total per board (higher outputs are available)
- **Protection:** Fused for 15 amps although the boards can handle up to 20 amps. Transient protected with Metal Oxide Varistors (MOVs)
- **Isolation:** Low voltage section is optically isolated from the outputs
- **Control Input:** RS485 via RJ45 Jacks (Serial and TTL optional)
- **Addressing:** Up to 256 possible addresses
- **Supply Voltage:** 120/240VAC, 50/60Hz
- **Connections:** Terminal Strips, 14AWG or #6 spade lugs max
- **Dimming:** 256 levels
- **Effect Timing:** 0 – 12.7 seconds
- **Effects:** Ramp, Fade, Pop, Sparkle, Blink, Flicker, Shimmer, Reverse-Pop
- **Sequences:** Multiple built-in sequences
- **Scenes:** Multiple scenes can be defined for fast scene changes
- **Groups:** Up to 120 groups can be defined and stored in non-volatile memory
- **Presets:** Internal settings for high-burn and low-burn adjustments

## Controls Dimming, Ramping, Fading, Patterns, and a Number of Lighting Effects. Memorizes Scenes and Groups.

The LC-8 and LC-16 are microprocessor controlled light controllers that are part of Animated Lighting's line of Smart Animation Controllers. These light controllers are far superior to standard "dimmer" packs and are capable of creating spectacular lighting effects on their own.

Each light controller has embedded intelligence that controls dimming, ramping, fading, patterns, and a number of other light effects. These are all handled locally relieving the controlling processor of handling tedious details. One command can instruct the controller to perform complex lighting effects.

The controllers also have the ability to memorize scenes and groups allowing multiple lights to be controlled by a single command. This allows complex effects to be predefined across multiple controllers and triggered simultaneously, eliminating delay between controllers. These scenes will be remembered even after power has been removed from the unit.



**Combine With Other Controllers:** Animated Lighting's LC series is meant to be part of an intelligent, distributed network of animation controllers. Other controllers on this network can include digital, servo, and sound controllers.

The entire network is controlled by Animated Lighting's MonsterBrain animation processor. The physical network consists of the industry standard RS485 signaling protocol over standard cabling. The total network length can be up

to 4000 feet and can be extended using repeaters. Wireless connectivity options are also available.

Up to 256 controllers can be connected to a single network with each controller having its own address that is switch selectable. Each LC has a local test switch, LEDs that show if a channel is on, and status LEDs to show the controller is working and when it's receiving data. These features make it easy for the user to install, test and diagnose issues.