

The LA-1 0-10v lighting adapter is designed to control most types of supplemental lighting including LEDs and HID's that use a standard 0-10VDC signal to control the light intensity and to turn the lights on and off. If your lights have a 0-10v option, and a RJ port to connect to an external lighting controller, the LA-1 adapter and the Cromptiva SEN-1, **Sentry** or GUARD-1, **Guardian** main controllers can control your lights. (There is also a hard-wire option to connect to lights that do not have a 0-10v RJ port.)

**\* Supplemental grow lights that DO NOT have a dim-to-off feature can be controlled by the LA-1 however; you will also need to control the power going to the lights in order to turn them on and off. (Refer to SEN-1 or GUARD-1 user instructions).**

The LA-1 outputs up to 30ma of power to control your lights using the variable, low-voltage 0-11.5 volt signal. That variable signal allows lights to be controlled from 0-115% power. (Some lights cannot be dimmed "down" and dimmed "up" all the way from 0-115%, check you light specs for details on the dimming range.)

Each LA-1 is capable of operating approximately 40 light fixtures. The LA-1 will command the lights to operate at the user's selected power setting, or the actual lighting level (set in ulmol/s) can be automatically controlled when using the optional SPAR-1 "PAR" meter.

The LA-1 can be controlled by Cromptiva's main controllers. To connect the LA-1 module, simply connect it to the RJ12 Lights port on your Cromptiva controller. If you are controlling more than 40 lights, you can use additional LA-1 adapters to operate more lights. All of the lights connected on each Light control "Line" will be controlled together.

The LA-1 can also be used with the multi-port RJ12 "powered" hub (RJ-HUB) to provide a centralized wiring "hub" to connect multiple Light adapters (LA-1 adapters), sensors OR device modules, replacing multiple Y-splitters with a cleaner and more effective cable connection system.

**\* The LA-1 modules are NOT waterproof and must be located so they are not exposed to mist or moisture directly.**

## LA-1 / Specifications



Model	LA-1 / Lighting adapter
Protection Level	IP20
Product Dimensions	3.4x1.6x1.1" / 87x41x28
Operating Temperature	0-50°C / 32-122°F
Operating Humidity	≤90%, Non-Condensing
Operating Voltage	24VDC
Power Consumption	≤50mA
Lights RJ connection	RJ45 *Compatible with RJ9-14
Output Voltage (to lights)	0-11.5VDC
Output current (to lights)	30ma Max
Certifications	FCC

**\*Lights can be connected using either 4, 6 or 8-pin RJ connections. Only center 4 pins used.**