



LiteDimmer Single User Guide

About LiteDimmer Single

LiteDimmer Single is the most advanced handheld LED dimmer on the market. It is the backbone of control for LiteGear's Daylite & Tungsten LED products. Its simple yet powerful approach to controlling brightness sets a new standard of performance and quality while allowing the kind of flexibility demanded from lighting professionals. LiteDimmer Single is designed for use with LiteGear LEDs that incorporate current limiting. LiteDimmer Single is not designed to limit current. Additional devices may be required.

Power Supply Options

LiteDimmer Single is capable of operating with DC voltages between 10 VDC to 30V DC only. It will not increase or decrease input voltage. You must provide voltage that is compatible with the power requirements of LiteRibbon™. Do not use LiteDimmer Single with non-LiteGear LED products.

Connections

LiteDimmer Single is equipped with two 2.1mm x 5.5mm Barrel connectors; one is used for input power while the second is for output to the LEDs. Barrel polarity is positive (+) in the center surrounded by a negative (-) shroud. See the rear panel for pin configurations.

Safety and Maintenance

Before operation, inspect the cables and enclosure for any damage. Also, inspect the installation for short circuits, damage, water, or similar.

How to Install

To install LiteDimmer Single, connect the load to the Barrel output connector. Be sure you observe current capacities of all components such as cable, connectors, and power supplies and that your load is under 8 amps. Position the switch in the center (OFF) position. Turn the "Level" knob to 0%. Provide DC power between 10V and 30V to the Barrel input connector. You are now ready to operate your LiteDimmer Single. Note: Power supply voltage must match the rating of the LiteRibbon™ or damage may occur.

How to Set Light Level

To set levels, set the switch in the up (ON) position and rotate the "Level" knob to the desired level. Your VHO Daylite or Tungsten LED product should now be operating and will be dim or bright depending on the level chosen. The label shows output level in percentage.

Controls

The dimmer is also equipped with a hideaway rotary knob. Pushing the knob into the case can protect against accidental adjustments as well as allow for safe storage.

Software Modes

LiteDimmer Single is capable of running in two distinct modes, NORMAL mode and LOW mode. Placing the switch in the up (ON) position sets the dimmer to NORMAL mode. This mode provides the absolute maximum output when more light is required. Moving the switch to the down (LOW) position sets the dimmer to LOW mode. This mode decreases the maximum output by 75% (2 F-Stops) enabling fine-adjustment of brightness for low level requirements.

Troubleshooting

If LiteDimmer Single stops operating, remove it from the circuit to confirm that the dimmer is the problem. Connect the LiteRibbon™ directly to power. If it does not operate, the problem is not the dimmer. Check leads and connectors. If the LiteRibbon™ does operate, LiteDimmer Single could be overheated due to over-current conditions or is damaged. If damaged, contact the LiteGear Service department for service. If LiteDimmer Single seems to be experiencing irregular operation, a factory reset may be needed. Resetting the operating system can restore normal operation in many cases. To perform a factory reset, place the switch in the center (OFF) position. Next, power the dimmer, and then press and hold the PROG button (located underneath the "Level" knob) for about 30 seconds until the indicator turns steady-red in color. Cycle the power to finish the operation. Note that your preferences and settings may now have to be reset.

Specifications

SIZE: 70mm (2.75") wide x 36mm (1.4") tall x 95mm (3.75") long
INPUT: 12/24 VDC, (10-30V DC); Input voltage must match load voltage requirements!
RATING: 8 amps max. total
WATTAGE: 96 watts max.
WEIGHT: 5.920 oz, 168 g
OUTPUT: DynaRhythmic PWM
Does not provide "Current Limiting." For use with LiteGear products only.

Warnings

Stage and Studio Use Only
Dry Location Only
Hazardous Voltage
Risk of Electrical Shock

Disconnect Power Before Servicing
Not For Residential Use
Made in California

SW 1.2