



MODEL LML-A6 / LML-LX – LED MICROLIGHTS

OVERVIEW:

The LML Microlight is a miniature lighting instrument based on an LED array or a single Luxeon® emitter. The LED devices do not require lamp replacement, produce little or no heat, and are available in several levels of intensity and dispersion angles. Available with output in white, or in a wide range of colors, in near UV, invisible pure UV, or in infrared wavelengths. This unit permits placement of lighting effects in confined or limited access spaces without heat generation, or lamp replacement considerations.

LML-A6:

The LML-A6 units are designed for operation from a 24-volt DC power source. Each LED array unit requires less than 25 milliamperes of current. Up to 20 low-current units may be operated from a single power source when used with the recommended .5 amp (500 milliampere) DC power supply. The power supply provided is a universal voltage unit which will operate from any AC power source from 100 to 240 volts AC at 50 or 60 hertz, and carries UL and CUL electrical safety listings. This DC power source is not suitable for operation from dimmed AC lighting circuits. If necessary, the LML-A6 units may be operated from suitable 24 volt LED ballasts, drivers, or DMX-controlled DC power sources to produce dimming or strobing effects under the control of a master lighting system.

Operation

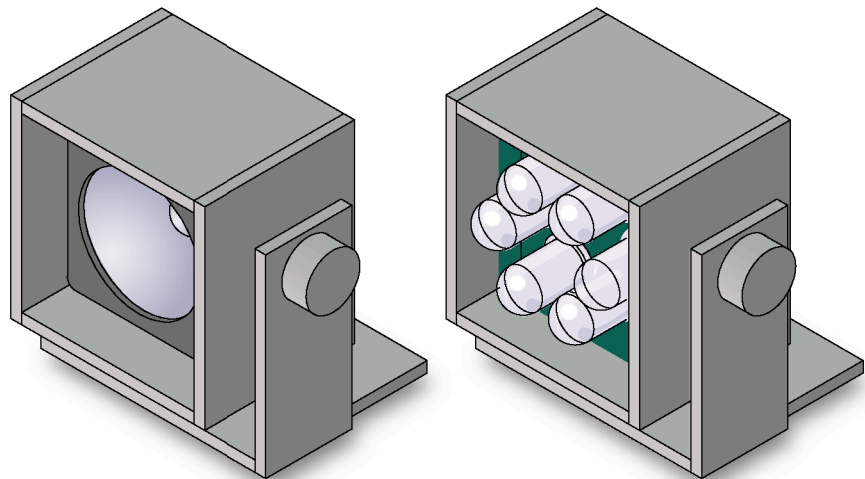
Each unit will operate when connected to the 24 volt DC power source. Additional units may be “daisy-chained” as necessary from a single power supply using the male and female DC power connectors installed on each unit, limited by the maximum rating of the power supply. All power connections are in parallel, and there is no restriction to the type of unit (color, dispersion, etc.) which may be operated from a single power supply.

LML-LX:

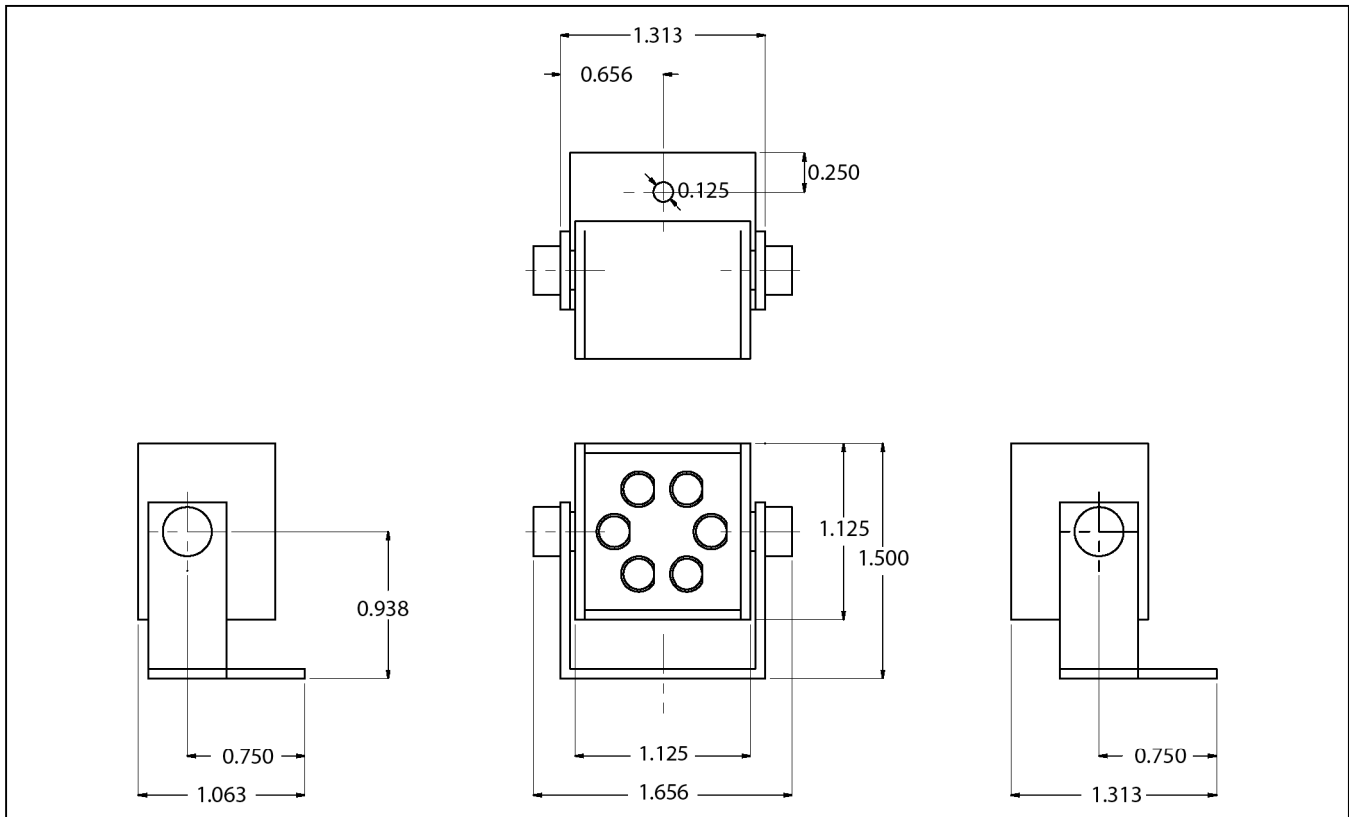
The LML-LX Luxeon® based units typically require 6 volts DC at currents up to .75 amperes, depending upon the rating of the emitter installed. These units must be operated using appropriate driver electronics, such as the PPS FD-8DMX FiberDriver unit, or from suitable LED ballasts, drivers, or DMX-controlled DC power sources with proper voltage and current ratings.

Operation

Each unit will operate when connected to the DC power source. Additional units may be wired in series or parallel to operate from a single drive channel if necessary, limited by the maximum rating of the driver or power supply.



SPECIFICATIONS



MECHANICAL

Housing: All Aluminum
 Finish: Black Anodized
 Mount: Any orientation, 1 #4 (M3) screw

OPTICAL

LEDs: Light-emitting Diodes or Luxeon®
 1-, 3- or 5-watt emitters in white, UV,
 or in colors, with a range of intensity,
 dispersion angles, and array densities
 available for specialized applications.

ELECTRICAL

Input Voltage: 24 Volts DC @ .025 amp (LML-A6)
 6 Volts DC @ up to .75 amp (LML-LX)
 Power Pack: 100 to 240 VAC, 50/60 HZ. Input
 UL Class II output, 24 VDC at .5 Amp
 maximum. Will operate from 1 to 20 LML-A6
 fixtures Depending on fixture configuration.

APPLICATIONS

Display and cabinet lighting
 Lighting of models and miniatures
 Lighting from concealed locations
 Lighting within constricted spaces
 Specialty and automotive lighting

OPTIONS AND ACCESSORIES

12- or 24-volt operation for LML-A6 units
 12-volt operation for LML-LX Luxeon® units
 Available LED colors: White, Warm White, Red, Orange,
 Amber, Yellow, Green, Aqua, Blue, Violet, near Ultraviolet,
 and pure Ultraviolet.
 Available Luxeon® colors: White, Red, Red-Orange,
 Amber, Green, Cyan, Blue, and Royal Blue
 Output wattage: 1, 3 or 5 watts. Not all colors are available
 at higher wattage.
 Dispersion angles from 10 to 30 degrees
 Diffusion filters for wide-angle applications
 Specialized LED arrays for custom applications
 Color anodized housings for specialty displays

