

MODEL LFI-128 - LED FIBER OPTIC ILLUMINATOR

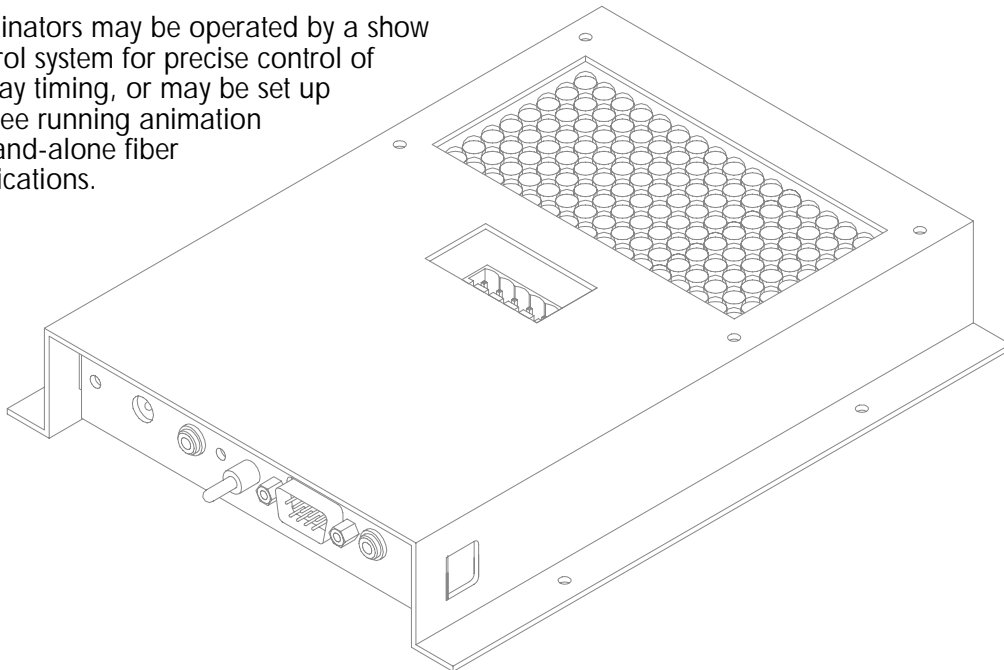
FEATURES :

- SOLID STATE FIBER OPTIC ILLUMINATOR, NO HEAT, NO MOVING PARTS, NO MAINTENENCE.
- COMPUTER PROGRAMMED INTENSITY AND ANIMATION RATES, NO ARTWORK REQUIRED.
- QUALITY CONSTRUCTION, SMALL & LIGHTWEIGHT, RUGGED & RELIABLE, 12 VOLT OPERATION

The LFI-128 Fiber Optic Illuminator is based on an array of 128 super bright White LED's and a computer micro-controller. The unit creates animation in fiber optic displays without using motors, animation wheels, or any other moving parts by sequential illumination of the LED's in the array.

Animation options include speed, direction, intensity, and other parameters as directed by the user programming. Color filter gels can be readily installed between the fiber bundles and LED sources, with no heat problems. Fiber optic displays of any size may be created by combining illuminator modules in series or in parallel using the inputs and outputs provided.

Illuminators may be operated by a show control system for precise control of display timing, or may be set up for free running animation in stand-alone fiber applications.



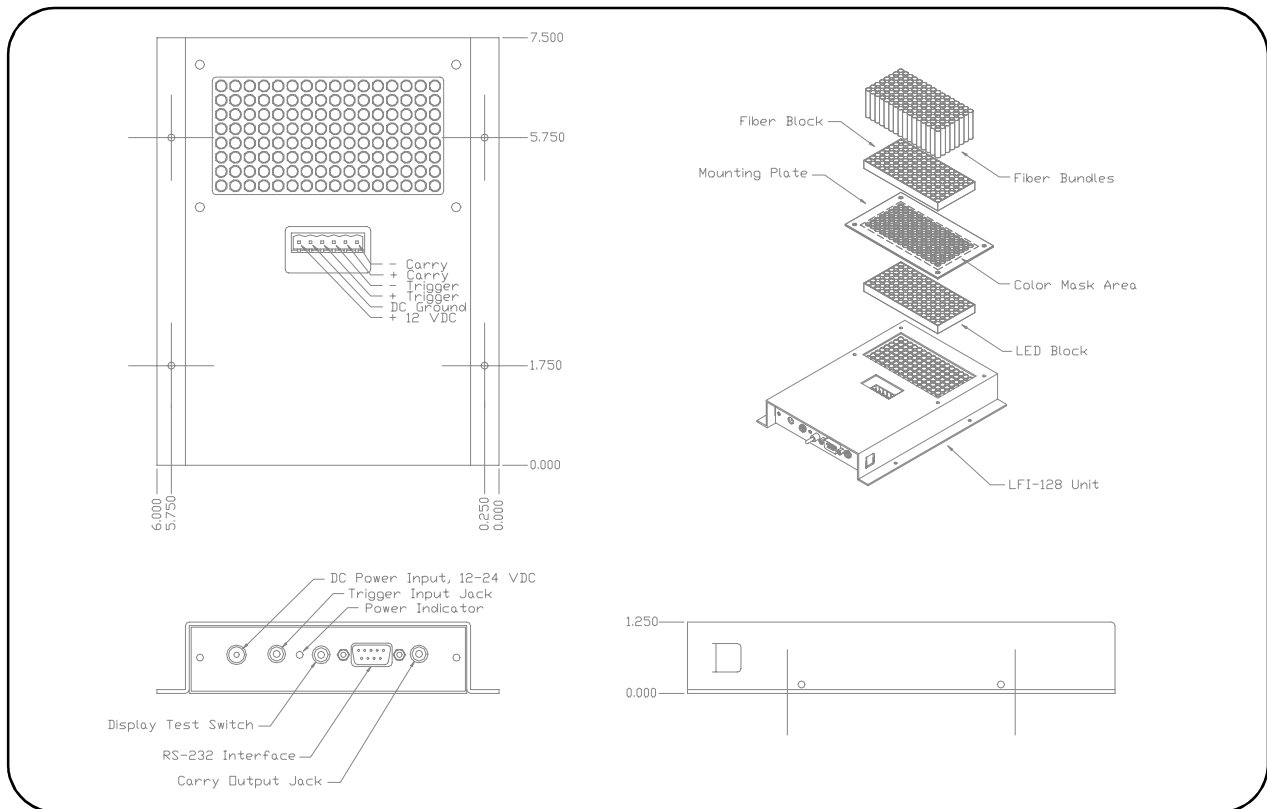
ADVANTAGES OVER CONVENTIONAL ILLUMINATORS:

- Unlimited lifetime super bright White LED light sources eliminate lamp changes permanently.
- Computer controlled animation eliminates motors, cams, switches, and artwork disks or masks.
- Small physical size, light weight, rugged and durable, installs anywhere, minimizes fiber length.
- Ultra low power consumption, less than 250 milliwatts, no heat, no cooling fans, and no noise.



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SPECIFICATIONS



MECHANICAL

Housing: All Aluminum
 Finish: Black Anodized
 Mount: Any orientation, 4 #6 screws
 4 x 5.5 inches between centers
 Weight: 1 lbs. (.37 Kg.)

FIBER CAPACITY

Fiber Size:	Cell Capacity	Total in 128 Cells
20 mil	85	10,880
30 mil	36	4,600
40 mil	18	2,300
60 mil	7	896

OPTICAL

LED's: White Light Emitting Diodes
 3000 mcd intensity, 15 degrees
 8 x 16 array, 128 elements total.
 Other LED colors available for
 specialized applications.

APPLICATIONS

Fiber optic displays and signs of any size
 Fiber optic set pieces and special effects
 Floats, specialty vehicles, and custom automotive
 Fiber optic costumes and stage wear
 Fiber optic substitutes for pyrotechnic effects

ELECTRICAL

Input Voltage: 12 to 24 Volts DC @ 1/4 amp
 Power Pack: UL Class II, 120 or 240 VAC
 Trigger Input: Contact Closure, or 5 to 24 Volt
 DC pulse to Opto-isolated input.
 Carry Output: 5 Volts DC at 50 mA
 Serial Port: RS232 DB9 male

OPTIONS & ACCESSORIES

Optional LED colors: Red, Yellow, Green, Blue
 Fiber optic carrier plates and mounting hardware
 Protective sleeving for fiber bundles
 Fiber Optic ribbon assemblies, various sizes
 Specialized programming for custom applications
 Bulk programming for standard installations



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