FIBERDRIVER™

MODEL FD-128DMX – DMX CONTROLLED **LED FIBER OPTIC ILLUMINATOR**
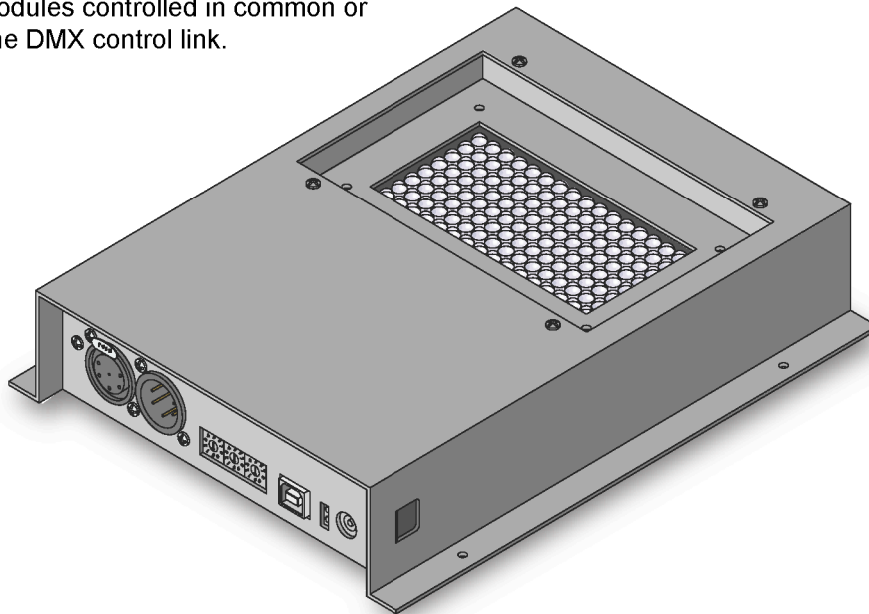
FEATURES:

SOLID STATE FIBER OPTIC ILLUMINATOR, NO HEAT, NO MOVING PARTS, NO MAINTENANCE.

QUALITY CONSTRUCTION, SMALL & LIGHTWEIGHT, RUGGED & RELIABLE, 12-VOLT OPERATION.

The FD-128DMX Fiber Optic Illuminator is based on an array of 128 super-bright White LEDs and a computer micro-controller with a DMX interface. The unit creates animation in fiber optic displays without using motors, animation wheels, or any other moving parts by programmable illumination of the LEDs in the array.

DMX control parameters determine the number of active and inactive LED emitters, the position and intensity of the active emitters within the array, and the rate and direction of animation across the array. Other DMX control options are available to provide more complex animation as directed by the DMX 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 multiple illuminator modules controlled in common or individually through the DMX control link.
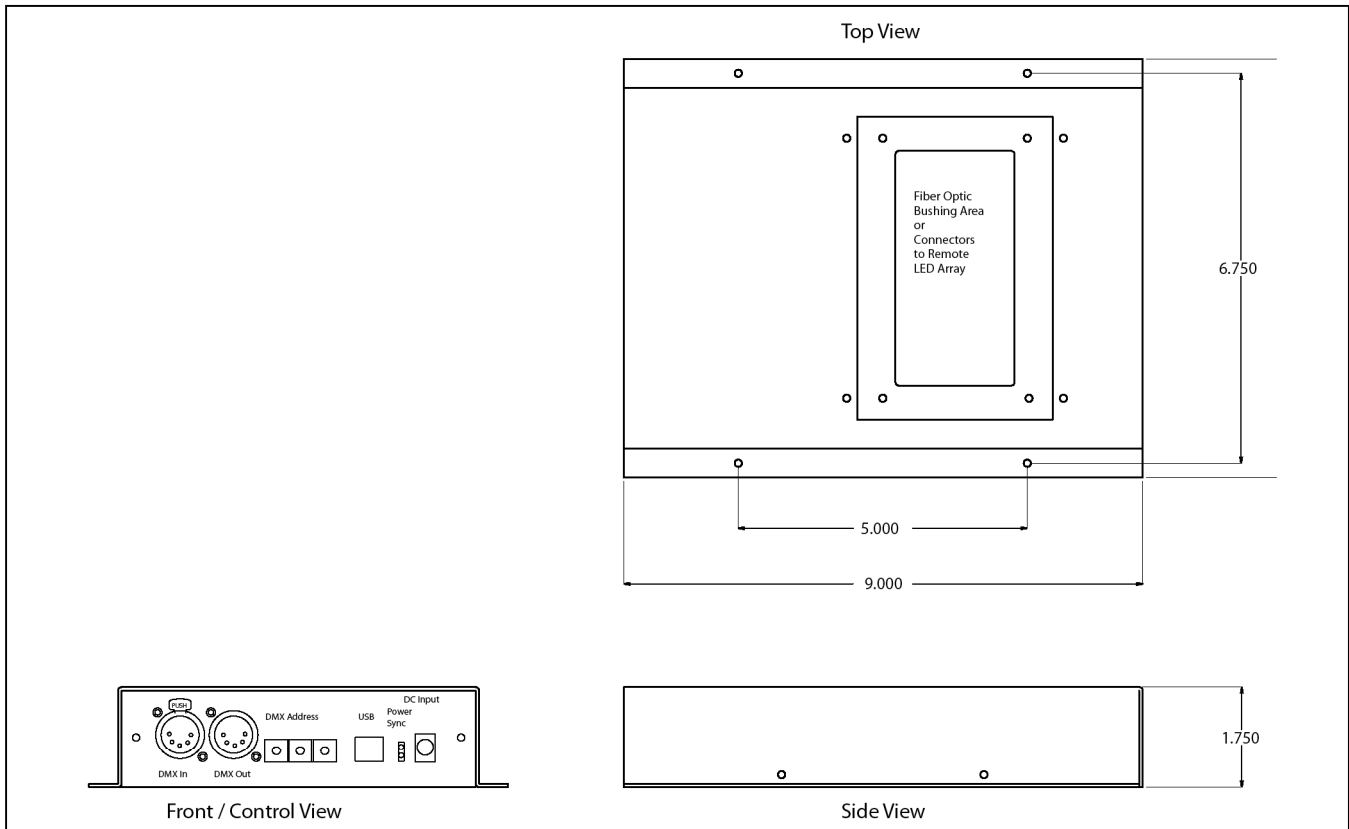

ADVANTAGES OVER CONVENTIONAL ILLUMINATORS

Unlimited lifetime super-bright White LED light sources eliminate lamp changes

Low power consumption, less than 20 watts, no heat, no cooling fans, no noise, no dust contamination.

DMX controlled animation eliminates motors, cams, switches, and artwork disks or masks

Small physical size, lightweight, rugged and durable, installs anywhere, minimizes fiber length

SPECIFICATIONS

Top View

Fiber Optic
Bushing Area
or
Connectors
to Remote
LED Array

6.750

5.000

9.000

1.750

DMX In   DMX Out

Front / Control View

Side View

MECHANICAL

Housing:	All Aluminum
Finish:	Black Anodized
Mount:	Any orientation, 4 #6 screw
Weight:	1.5 lb (.7 kg)

OPTICAL

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

ELECTRICAL

Input Voltage:	8 to 28 Volts DC, 20 watts maximum
Power Pack:	UL Class II, 120 or 240 VAC
DMX Input:	DMX-512 standard, 5 pin XLR Male, 12 ch.
DMX Output:	DMX-512 standard, 5 pin XLR Female

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

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

OPTIONS AND 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