

# SOLID-STATE LIGHTING

## MULTI-COLOR FIBERLAMP

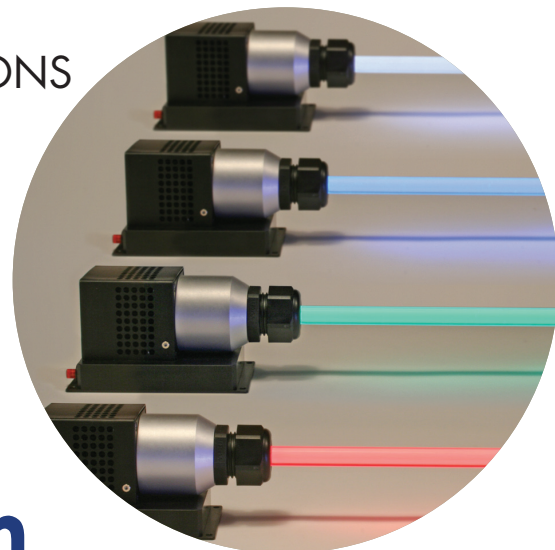
DiCon's FiberLamp family offers a reliable compact solution for the multi-color and dynamic lighting markets. State-of-the-art solid-state lighting technology enables FiberLamp illuminators to couple a vast array of light combinations into a variety of fiber applications. FiberLamps save energy through the use of high efficiency bright LEDs capable of delivering light to where you need it most. FiberLamps come in multi-color RGB and red, green, or blue configurations.

### FEATURES

- High efficiency LED light source
- Dynamic, programmable color control
- Full spectrum of colors without use of color wheel
- No electricity at illumination point
- Low power; compact design
- Requires standard 12V / 5.5A AC/DC power adapter

### APPLICATIONS

- Fiber illumination
- Neon light replacement
- Decorative Lighting
- Entertainment Lighting
- Task Lighting
- Machine Vision Systems
- Outdoor Illumination



**DiCon**  
FIBEROPTICS, INC

# SOLID STATE LIGHTING SPECIFICATIONS

## ABSOLUTE MAXIMUM RATING

PARAMETER	MAXIMUM RATING
DC Forward Voltage	12V ( $\pm 5\%$ )
DC Forward Current	5A
Operating Temperature Range	-20°C / 45°C
Storage Temperature Range	-40°C / 100°C
ESD Threshold	500V
Fiber Diameter	14mm

## TYPICAL OPTICAL CHARACTERISTICS At Ta = 25°C

COLOR	TYPICAL CCT (°K)	FLUX (lm)	OPTICAL POWER (mW)	$\lambda$ (nm <sup>D</sup> )
White	6500	700	3000	
Red only		200	1200	625
Green only		400	900	525
Blue only		100	800	470

## MECHANICAL DIMENSIONS (NOMINAL):

Base size: 92mm(L) x 60mm(W)

Height: 60.60mm

Full running length: 130.30mm

