



720 Sherman Avenue, Hamden CT, 06514 USA

### Illuminator Specifications Part number 580-1002-001 Indoor RGB LED

#### 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 or heat at illumination point
- Low power; compact design
- Standard 12V DC power
- DMX512 Compatible

#### APPLICATIONS

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



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FIBEROPTICS, INC

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#### SOLID STATE LIGHTING SPECIFICATIONS

##### ABSOLUTE MAXIMUM RATING

PARAMETER	MAX RATING
DC Forward Voltage	12V (±5%)
DC Forward Current	3.3A
Operating Temperature Range	-20°C / 45°C
Storage Temperature Range	-40°C / 100°C
Fiber Diameter	14mm
Weight	280g

##### TYPICAL OPTICAL CHARACTERISTICS At Ta = 25°C

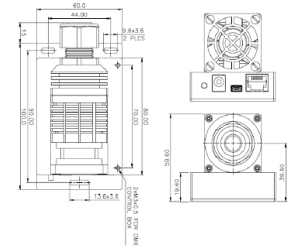
COLOR	TYPICAL CCT (°K)	FLUX (lm)	λ (nm)
White	6500	700	
Red only		200	625
Green only		400	525
Blue only		100	470

##### CONNECTORS

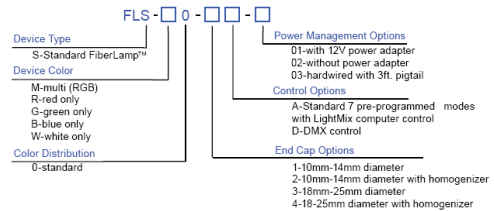
- Mini USB for programming and DMX addressing
- Built on RJ45 for DMX control
- Optional XLR adapter

##### MECHANICAL DIMENSIONS (NOMINAL):

Base size: 90mm(L) x 60mm(W)  
Height: 59.60mm  
Full running length: 115mm



##### ORDERING INFORMATION



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