

## FOI-FiberOpticIlluminator

After studying the needs of coach builders, Emeralight developed the industry's first LED **FiberOpticIlluminator** unit for coaches - now used by leading coach builders. Our unit leads the market in efficiency, size and silence. Emeralight's FOI has also been used in other applications such as swimming pools, spas and fountains.



### General Specifications

- *Color Change: RGB unlimited color variations*
- *Source: RGB LED Light Engine*
- *Beam Angle: 70 degree light distribution*
- *Throw: Approximately 40 ft sidelight fiber up to 9mm and 200 ft angel hair .03mm*

### Communication Specifications

- *Data Interface and Control: None required for basic installations; for control of multiple units contact factory.*

### Environmental Specifications

- *Temperature Range: -10° to 280°F*
- *Moisture Exposure: Not submersible; should not be exposed to direct wet weather elements. Conformal coated to protect components from most high humidity levels.*

### Electrical Specifications

- *Power Requirement: 12 Vdc power supply*
- *Lamp Life: Under ideal environmental and electrical conditions, Emeralight's LEDs are expected to last approximately 70,000 to 100,000 hours according to LED manufacturers. As with most light sources, users can expect a depreciation in brightness during the course of this estimated hour lifetime.*

### Mechanical Specifications:

- *Length: 4"*
- *Width: 2"*
- *Height: 2"*
- *Port: 1"*

### Wiring Specifications

(each unit is supplied with a complete wiring diagram)

