

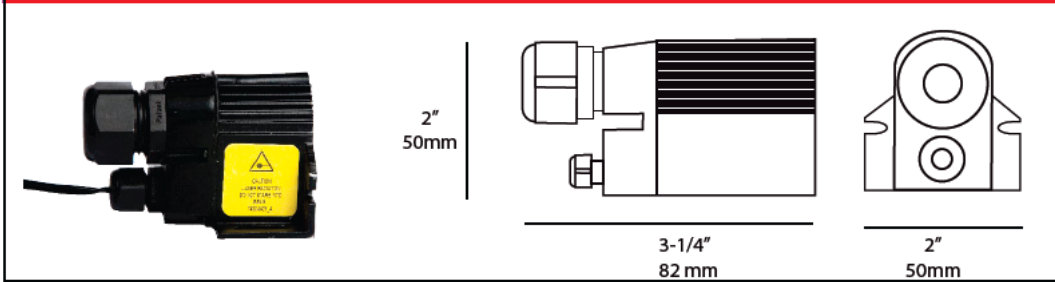
FTIII22288 FIBER OPTIC LED ILLUMINATOR - WHITE (5500K)

APPLICATION

LED Illuminator for Fiber Optic (endlight or side lide). For indoor use only. (not Submersible)



PICTURES AND DIAGRAMS



Lighting Features	
LED	LED5W
COLOR	Cool White 5500 K
AVG LIFE	50,000 Hrs

Electric Features	
INPUT VOLTAGE	12V LED Driver (included) Do Not Plug Directly on 120V
POWER DRAW	12V 12W max
OPERATING TEMP	0° to 40°C High ambient temperature will shorten LED life

Mechanical Features	
CONSTRUCTION	Aluminium/ Black Matte Finish
PORT APERTURE	0.420 to 0.570" (10 to 14mm)
WEIGHT	5 oz.

The OPTO 100 is a high performance fiber optic illuminator, which incorporates the industry's highest performance solid state LEDs with custom optics and electronics, and integrates them into a water-resistant thermal enclosure. The result is a highly reliable, energy-efficient, long life accent lighting source for applications including Architectural Lighting, Perimeter Building, Trade Show Exhibit and Emergency Lighting.

Solid Color Options	
BLFO-OPTO-B	Blue (470nm)
BLFO-OPTO-R	Red (627nm)
BLFO-OPTO-G	Green (530nm)
BLFO-OPTO-A	Amber (590nm)
BLFO-OPTO-RO	Red-Orange (517nm)
BLFO-OPTO-CY	Cyan (505 nm)
BLFO-OPTO-RB	Royal Blue (455nm)

Fiber runs of over 20 feet can be achieved when using our OPTO 100 series of fiber illuminators at each end of the solid core optical fiber.

The OPTO 100 comes standard with a wall mounted 100-240 VAC power supply and accepts fiber diameters from 10 to 14mm (outside diameter).
have BLFO-SL500 optic fiber 13.

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INSTALLATION INSTRUCTIONS

Warning: Do not stare directly into the light source.

1. When removing the OPTO 100 from the shipping container, be careful not to allow dirt and other contaminants to fall into the fiber fitting. If this occurs, use compressed air to clear out any debris.

2. Determine the optimal mounting location for the OPTO 100 and the fiber. Make sure your maximum fiber bend radius not exceeded. Typical bend radius is 6-8x the fiber diameter.

3. Determine the total fiber length to be cut. Add 1.8" for insertion of the fiber into Each OPTO 100 fitting/opening.
Example: for two OPTO 100 illuminators (one at each end), add 3.6" to the total length of the fiber run.

4. Make a perpendicular cut into the fiber at the predetermined location using a PVC cutter. Make sure the cut is straight and not angled.
This is a very important step in the process. The better the finish of the fiber ends, the better the light transfer from the fiber illuminator to the fiber.

5. Using very fine sandpaper (160-240 grit), sand the ends of the fiber until all cut lines, nicks and scratches are removed, leaving a relatively smooth surface.

6. Switch to super fine sand paper (360-400 grit), and sand the fiber ends to remove the remaining abrasions. The fiber should now be smooth to the eye and touch.

7. Using a polish wheel or disc and Tripoli polishing compound, polish the fiber until a clear, high luster finish is obtained.

8. Mounted the OPTO 100 enclosure to a solid surface using (2) #8 screws and, if needed, use (2) drywall inserts or anchore bolts.

9. Insert the fiber into the compression fitting. The fiber should insert approximately 1.8" and then make contact with the fiber stop inside of the OPTO 100.

10. Tighten the fitting around the fiber in a clockwise motion to ensure a water-tight seal.

11. In applications where only the OPTO 100 is used, cap the open end of the fiber with a reflective end cap.

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