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470nm, 8mW, 1000mA, SMA Connector, Fiber-Coupled LED



Fiber Coupled LEDs

Stock #23-731 CLEARANCE **1 In Stock**

⊖ 1 ⊕ **SS\$1,380³³**

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Volume Pricing

Qty 1+	SS\$1,380.33 each
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General

Operating Lifetime (hours):
~10,000

Contents of Kit:
1 x Mounted LED
1 x LED Driver
1 x SMA Cable for Modulation
1 x $\phi 600\mu\text{m}$, 1m Length, 0.22NA, MM Patchcord

Note:
5VDC Power Supply sold separately

Optical Properties

Color: Blue

Wavelength (nm): 470 (Nominal)

Bandwidth (nm): 25 (FWHM)

Electrical

Current (mA): 1000 (maximum)

Output Power (mW): 8 (typical, with $\phi 600\mu\text{m}$ Core Fiber)

Forward Voltage (V): 3.2

Hardware & Interface Connectivity

Connector: SMA

Regulatory Compliance

RoHS 2015: [Compliant](#)

Certificate of Conformance: [View](#)

Reach 233: [Compliant](#)

Product Details

- Center Wavelengths from 375 - 1050nm
- Integrated Heat Sink for Thermal Management
- Continuous, TTL, or Analog Modulation Operation

Fiber Coupled LEDs are available in a broad selection of nominal wavelengths covering the UV, visible, and NIR spectra. Each fiber coupled LED consists of a single LED mounted to a heat sink housing with a SMA connector and slotted holes, enabling easy mounting to optical benchtops. Each stock number includes a 1 meter long, 0.22NA, $\phi 600\mu\text{m}$ SMA Cable which can be collimated using our [Lightpath® Fiber Optic Collimators](#). The included driver allows for continuous or modulated (TTL and analog) operation of the LED and has a physical knob for output intensity adjustment. Fiber Coupled LEDs are ideal for use in microscopy, life science, or general lab applications where they can serve as alternatives to low power lasers.

Note: A5VDC Power Supply, sold separately, is required for operation. See the accessories tab for the recommended power supply for your region.

Technical Information

