

Lux Optical Accessories

Hardware Reference



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Tucker-Davis Technologies

11930 Research Circle

Alachua, FL 32615 USA

Phone: +1.386.462.9622

Fax: +1.386.462.5365

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Lux Optical Accessories

LxBB5



LxBB5 Overview

The LxBB5 is a stand alone photobleaching device. It has a DC power supply and you can run it anywhere with a nearby outlet. The bleach box sends a powerful broad-spectrum white light at 500 mA through the FC port so you can bleach multiple colors simultaneously.

Part Numbers:

- LxBB5 - External Bleach Box

Operation

Press the "Start" button to begin bleaching. The blue light turns on to indicate that the bleaching LED is on. The user can set the time (default 2 hours, available range 2 – 6 hours) by pressing the 'Start' button again to cycle through the timer options. The blue LED will blink N times to indicate N hours remaining on the bleaching process.

Shut Off

The LxBB5 has an automatic user-set timer to control how long the LED is on. There is no need to monitor the photobleaching process and the light will shut off after the prescribed period.

You can press and hold the Start button to turn it off early, or unplug it from the wall.

Power Supply

The LxBB5 runs on a 6V-12V power supply from TDT.

Important

The Lux components have an FC connector with a small key that must be aligned to the fiber optic cable



Output

Approximate output power at different wavelengths

0.5 NA	415 nm	465 nm	560 nm
400 μ m	22 mW	8 mW	4 mW
200 μ m	8 mW	3 mW	2 mW
600 μ m	62 mW	23 mW	12 mW

See the [Fiber Photometry User Guide](#) for information on fiber bleaching.

LxPM2 External Power Meter



LxPM2 Overview

The LxPM2 is an optical power meter that connects to the iX7 via an included M8 cable. The power measurement is shown in the iX7 interface in Synapse software.