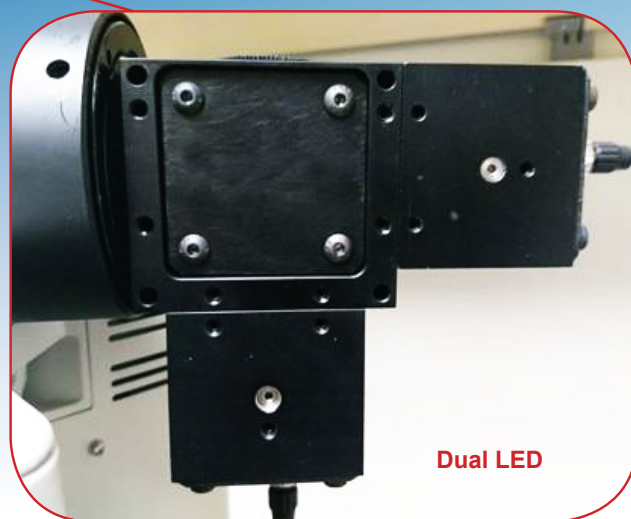


MICROSCOPY

Prizmatix Dual-LED for Ca Imaging



Controller



Modular Dual LED and Integrated Controller for Ratiometric Imaging

Built with Prizmatix Optiblock™ system this Dual LED illuminator mounts directly on a fluorescence microscope light port. A dual controller with fast TTL switching alternates LEDs and simplifies ratiometric imaging applications.

- Standard configuration - high power 340nm and 380nm LEDs
- Dual controller with independent control of each channel
- Optically isolated TTL and analog inputs for each channel
- Unified TTL input alternates between LEDs for easy switching
- Olympus, Nikon, Zeiss and Leica adapters for direct mounting
- Modular system enables adding or swapping LEDs at any time

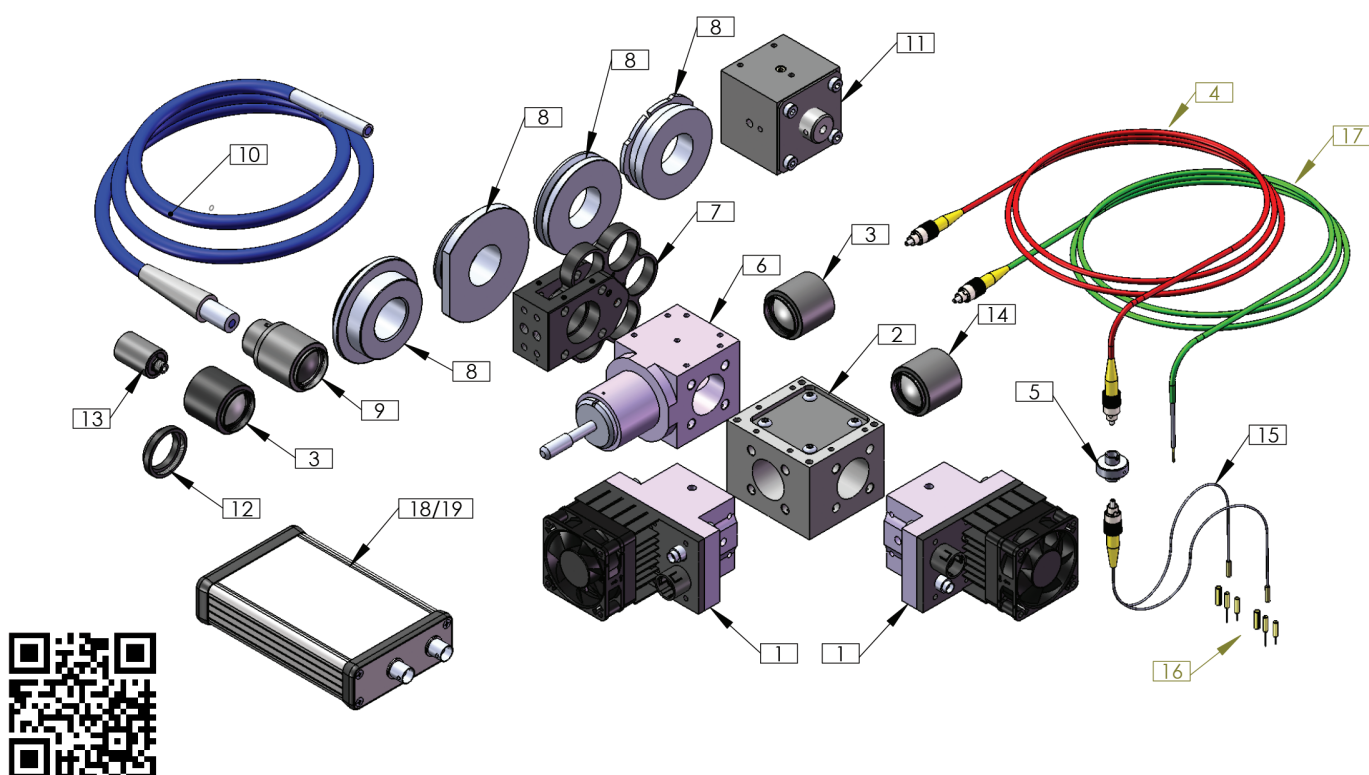
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Prizmatix
LED Light Sources and Optical Systems

Optogenetics Toolbox for In-Vitro Applications



1	Ultra High Power LED	Modular ultra bright UHP-Mic-LEDs - Excellent light sources for fiberoptic and epi-fluorescence optogenetics
2	Beam Combiner	Combines several LEDs into one output beam using a dichroic mirror
3	Fiber Coupler Adaptor	Couples an optical fiber to LED: SMA or FC connectors
4	Fiber Patch Cord	Polymer / silica optical fiber (single or multiple branches), SMA or FC connectors
5	Rotary-Joint	Low friction fiber optic Rotary Joint for in-vivo optogenetics with smallest mammals
6	Beam Switcher	Changes direction of beam output (e.g. microscope to fiber)
7	Filter Wheel	Takes up to six 1" filters
8	Microscope Adaptors	Adaptors for epi-fluorescence ports of Nikon/Olympus/Zeiss/Leica microscopes
9	LLG-A	Couples Liquid Light Guide to the LED system
10	LLG-3 / LLG-5	Liquid Light Guide: 3mm or 5mm core
11	LLG-XYZ Collimator	Collimates Light Guide beam to epi- fluorescence port of a microscope
12	C-Mount Adaptor	Used to mount LED on camera port of a microscope
13	Fiberoptic Collimator	Specially designed to collimate high NA optical fibers
14	Reference Photodiode	Monitors LED system power output
15	Optogenetics-Fiber (in-vivo)	For in-vivo applications , single or bilateral dual fiber
16	Implantable Cannulae	Ferrules diameters: 2.5mm and lightweight 1.25mm for smaller animals as mice
17	Optogenetics-Fiber-200	Fiber for in-vitro applications: bare fiber protruding from thin stainless steel tubing
18	USB-TTL Interface	Controls Prizmatix LEDs from imaging software (e.g. microManager) via USB
19	Pulser	TTL pulse train generator featuring simple PC software for pulse programming