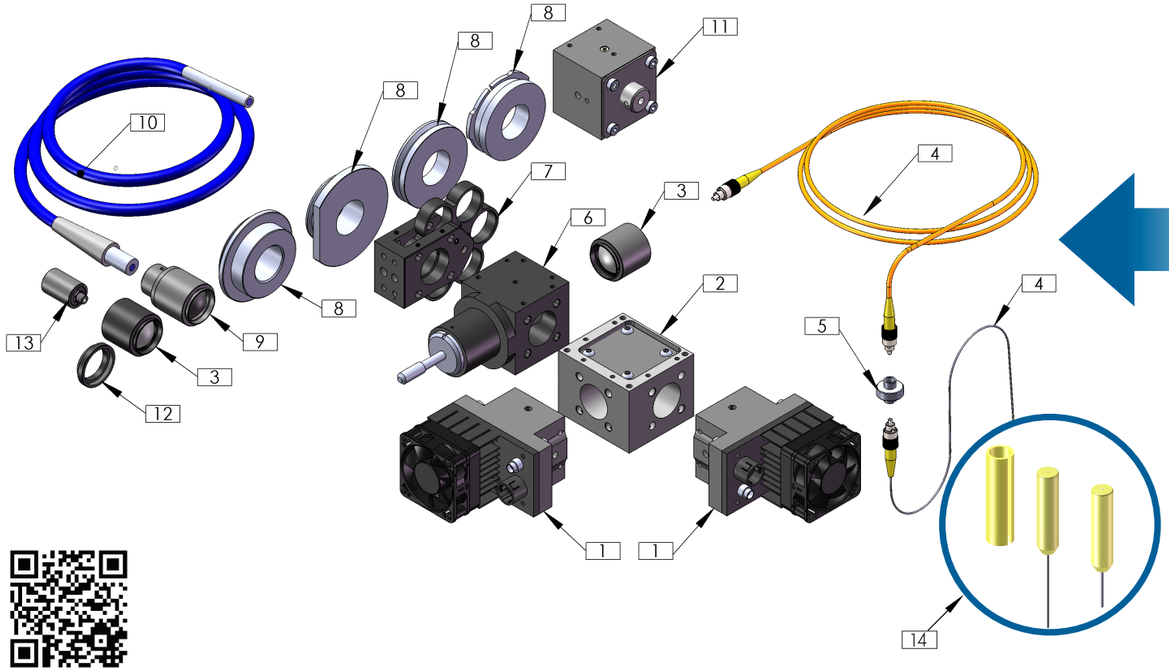
Prizmatix Optogenetics Toolbox



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1	**Ultra High Power LED**	UHP-Mic-LEDs are excellent light sources for Optogenetics experiments, enabling both fiber coupling applications and epifluorescence excitation.
2	**Beam Combiner**	Joins together two discrete UHP -Mic-LEDs into one output beam.
3	**Fiber Coupling Adaptor**	Easy-installation adaptor to turn the UHP-Mic-LED system to fiber-coupled light source.
4	**Fiberoptics**	Variety of standard and custom fibers for optogenetics research. Multi-mode silica and polymer fibers available.
5	**Rotary Joint**	Enables coupling of optical fiber to a freely moving mammal. The Stator is affixed while the rotor side can rotate freely while maintaining stable light transmittance.
6	**Beam Switcher**	Allows for Prizmatix LEDs installed on a microscope to be used either as microscope epi-fluorescence illumination or via a fiberoptic probe.
7	**Filter Wheel**	A 6-positions filter wheel at the beam output. Especially useful for UHP-Mic-LED-White.
8	**Microscope Adaptors**	Adaptor for epi-fluorescence ports of Nikon, Zeiss, Olympus and Leica microscopes.
9	**Liquid Light Guide Adaptor**	Adaptor enabling the UHP-Mic-LED system to be coupled to a Liquid Light Guide.
10	**Liquid Light Guide**	A flexible 3mm core liquid light guide. Ideal for conducting light from the LED to the microscope.
11	**Liquid Light Guide XYZ Collimator**	An XYZ adjustable collimator for connecting Liquid Light Guide to the epi-illumination port of fluorescence microscope.
12	**C-Mount Adaptor**	A standard C-mount thread adaptor.
13	**Fiberoptic Collimator**	Generates a parallel beam of light out of the naturally diverging light emission from an optical fiber. Designed to collimate High NA fibers (up to 0.53).
14	**Ferrules**	Variety of standard and custom ferrules for optogenetics research.

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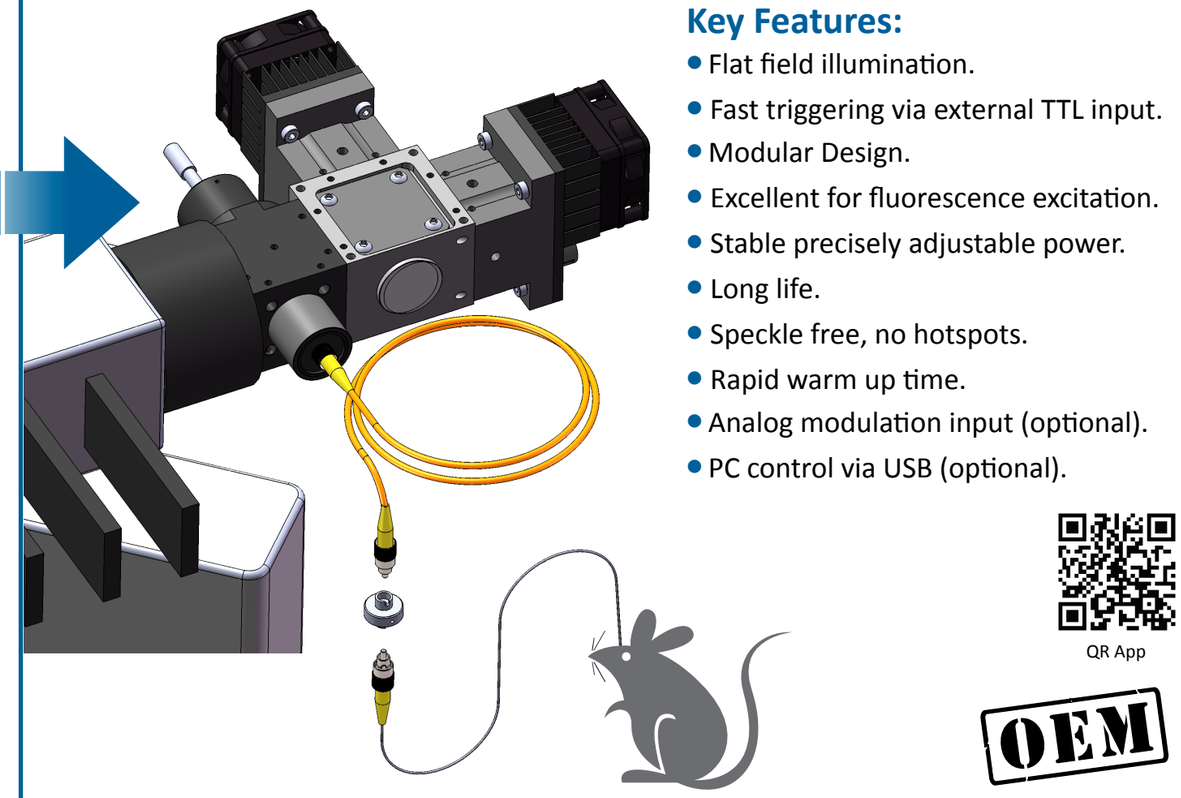
Ultra High Power LEDs



Key Features:

- Flat field illumination.
- Fast triggering via external TTL input.
- Modular Design.
- Excellent for fluorescence excitation.
- Stable precisely adjustable power.
- Long life.
- Speckle free, no hotspots.
- Rapid warm up time.
- Analog modulation input (optional).
- PC control via USB (optional).

QR App

OEM

Color	Typical Peak Wavelength (nm)	Applications
UV	365	DAPI, NADH, Hoechst
	385	Fura, BFP
	395	Cascade
	405	Alexa 405
Blue	435	CFP
	460	**Channelrhodopsin**, GFP, FITC
Green	520	Cy3, YFP, Alexa 514, OFP, PI
Yellow	590	**Halorhodopsin**, Texas Red, mCherry
Filtered White	610	Alexa 610
Red	630	Cy5, Alexa 633
Filtered White	650	DyLight 649, Cy5.5
White		Numerous

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