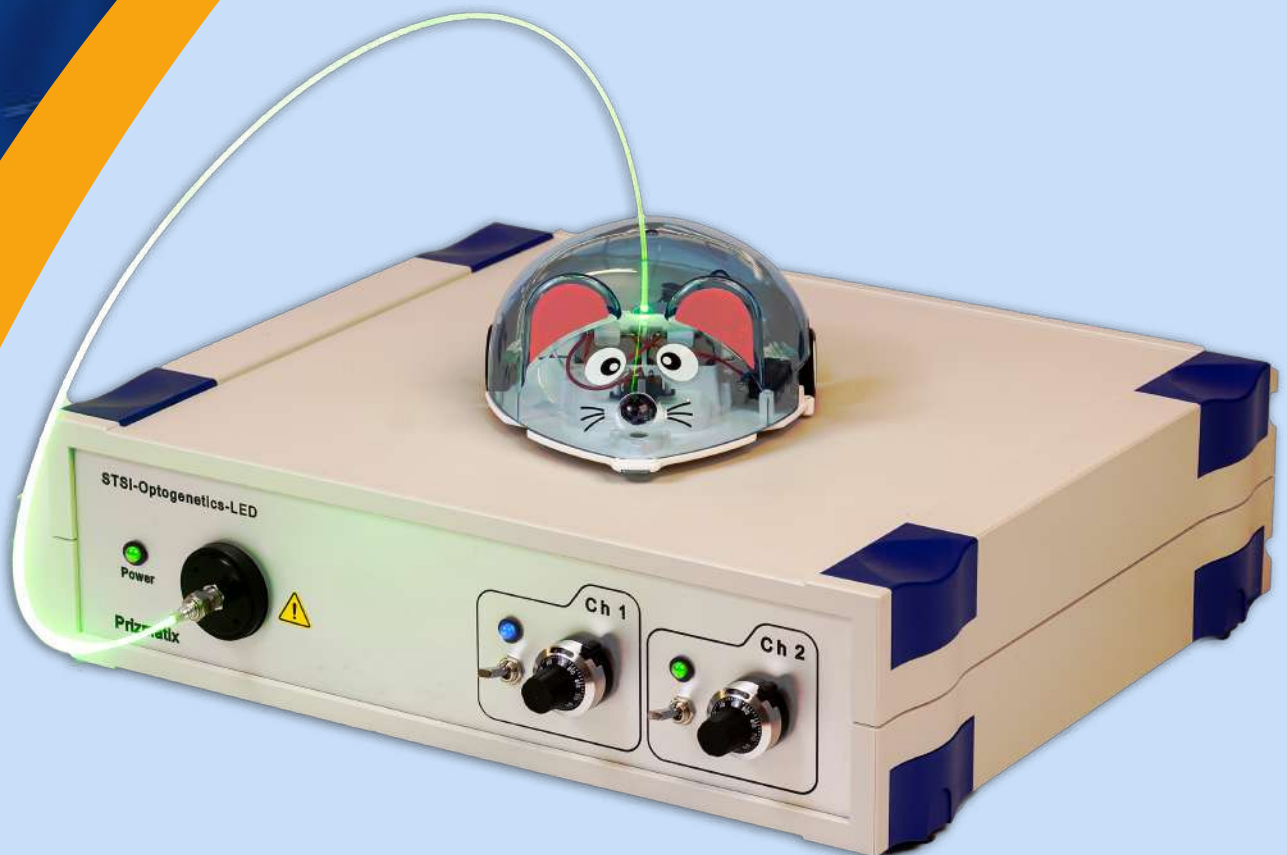


Prizmatix

LED Light Engines and Optical Systems

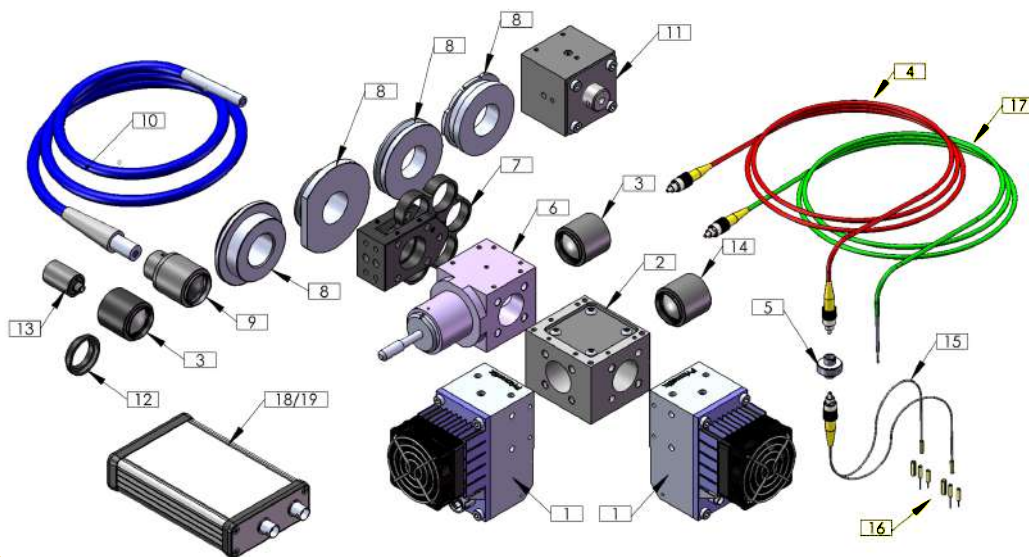
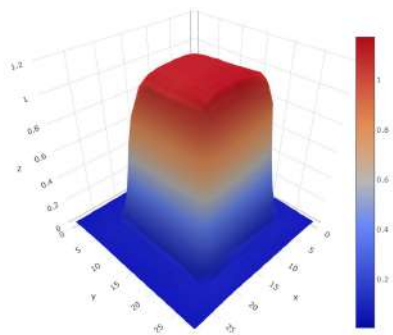


www.prizmatix.com

Modular Ultra-High-Power LED Sources

Prizmatix Ultra High Power modular LED Light Sources enable flexible, configurable setup of several LED modules into a single beam by Beam Combiners.

Modular design enables easy connection of multiple collimated LED heads to beam combiners, filter wheel, beam switcher and numerous other components to create multi-wavelength collimated, light-guide coupled or fiber coupled LED light source.

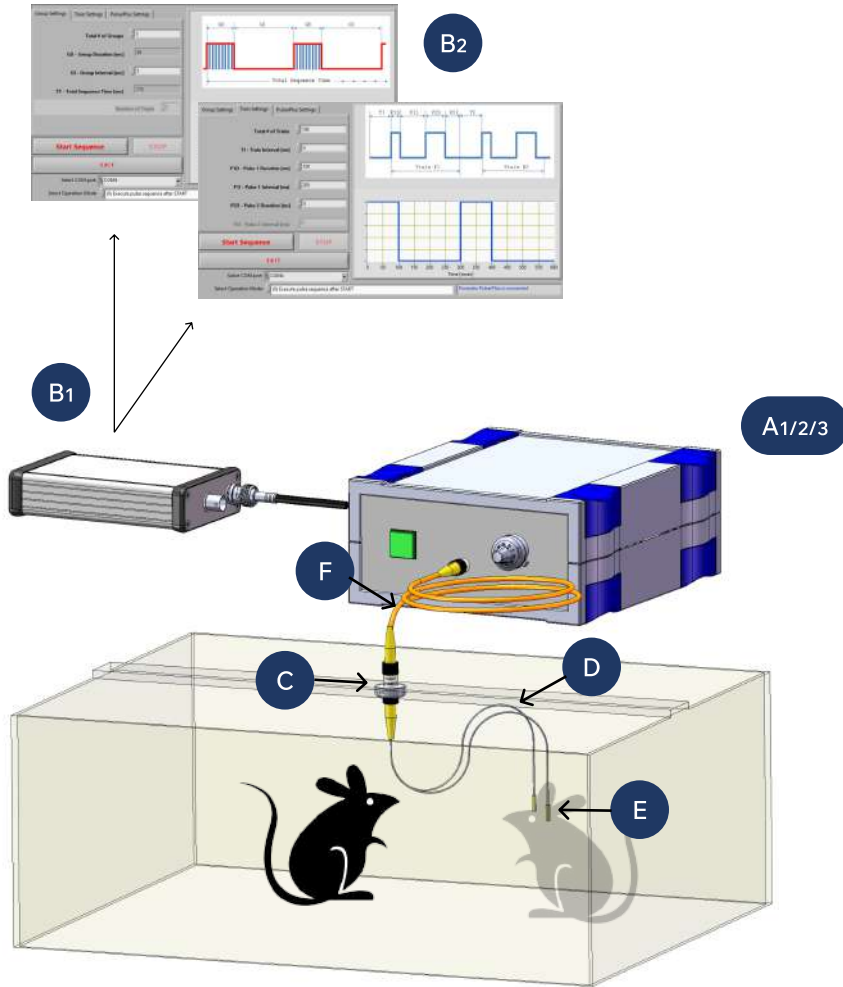


- | | |
|------------------------------|---------------------------------------|
| 1 Ultra-High Power LED | 10 Liquid Light-guide |
| 2 Beam Combiner | 11 XYZ Collimator for Light-guide |
| 3 Fiber Coupler / Collimator | 12 C-Mount Adaptor |
| 4 Fiber Patch Cord | 13 Fiberoptic Collimator 1/2 inch |
| 5 Rotary-Joint | 14 Reference Photodiode |
| 6 Beam Switcher | 15 Optogenetics Fiber-2x500 |
| 7 Filter Wheel | 16 Implantable Cannulae |
| 8 Microscope Adaptors | 17 Optogenetics Fiber <i>in-vitro</i> |
| 9 Light-guide Adaptor | 18/19 Pulser / PulserPlus |



Optogenetics in-vivo

Optogenetics Toolbox in-vivo for Freely Moving Mammals



A1 Optogenetics-LED

A2 Dual-Optogenetics-LED

A3 Optogenetics-LED-STSI

B1 Pulser / PulserPlus

B2 Pulser Software

C Rotary-Joint

D Optogenetics-Fiber-500
Optogenetics-Fiber-2x500

E Implantable Cannulae

F Optogenetics-Fiber-1000
Optogenetics-Fiber-1500



A1



A2



B



C



D



E



CombiLED Light Engine Series

Customized Multi-Wavelength Light Source

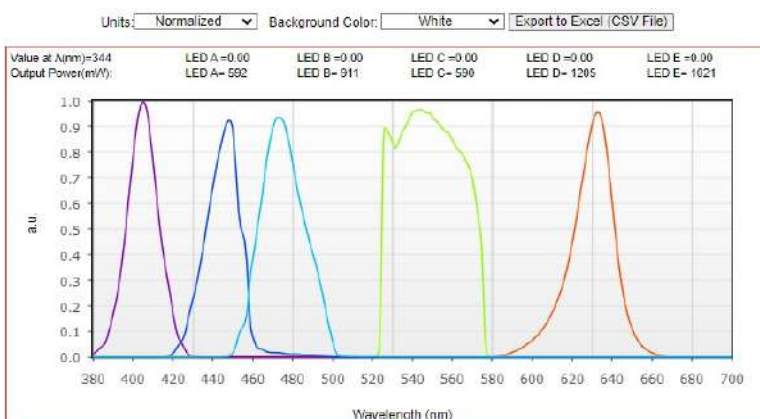
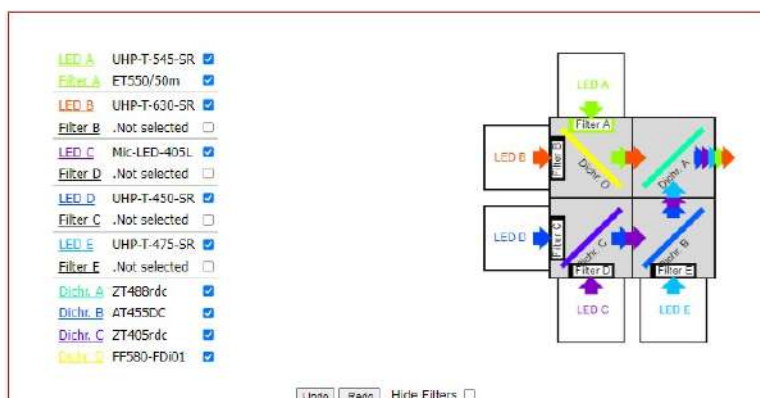


Prizmatix engineers will work with you to choose the best LEDs, dichroic mirrors and filters for your requirements. The final design will be simulated for your approval and then tested before shipping.

- Individualized & Custom Designed
- Fiberoptic or Light Guide Output
- From 3 to 9 LEDs
- Wavelengths from Deep UV to Near IR
- USB & optional TTL and Analog control for each channel. The fast TTL input enables precise synchronization of the LED's with a camera.

These custom-designed and built light sources are ideal for a wide range of scientific applications.

Free control software and API with sample code are available for Windows and Mac.



LED-Spectra-Viewer: An online simulation tool that allows users to design and optimize multi-wavelength systems with LEDs, dichroic mirrors, and bandpass filters.

Contact Us

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