Prizmatix

In Vivo Tool Box

Optogenetics Tool Box – In-Vivo

Ultra High Power LEDs and Fiber Optics for Moving Animals

Prizmatix fiber coupled LEDs for In-Vivo Optogenetics deliver high power and great functionality at a reasonable cost compared to lasers and other LED products.
Our unique large chip LEDs can be used for bilateral stimulation using a single light source, a simple rotary joint and a Y shaped fiber.
Our high NA Plastic Optical Fiber optics are virtually unbreakable and optimized for LEDs

- **Ultra-High Power LEDs for long life and stability**
- **Bilateral stimulation with no additional equipment**
- **Extremely low torque rotary joint (patent pending)**
- **Durable high NA (0.63) plastic optical fibers**
- **Available - Blue, Red/Orange, Green, Violet, Yellow/Green**
- **To see the entire tool box go to:**

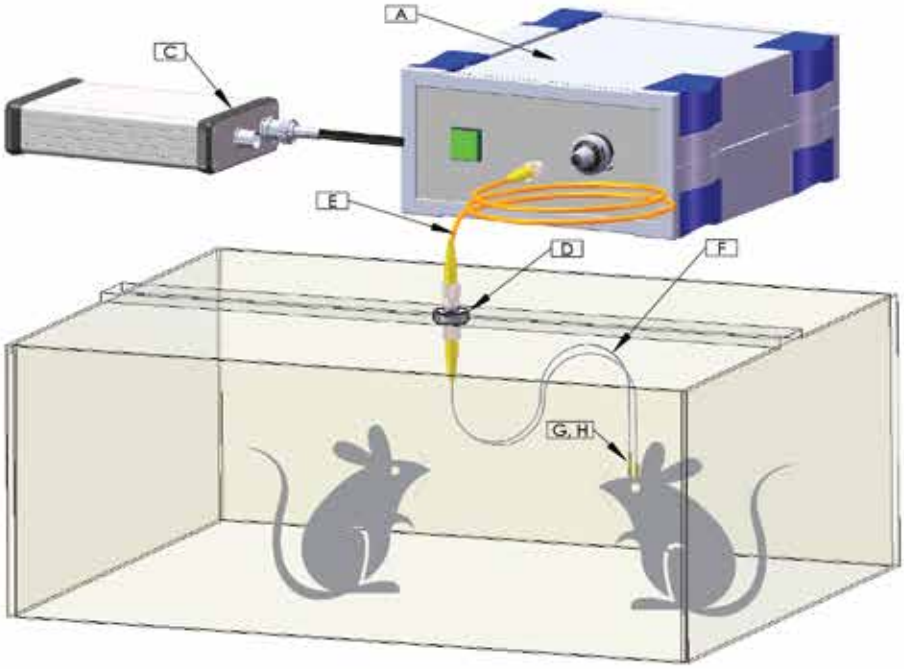
www.Prizmatix.com/rd/2.aspx or visit our USA webstore: www.GoldstoneScientific.com

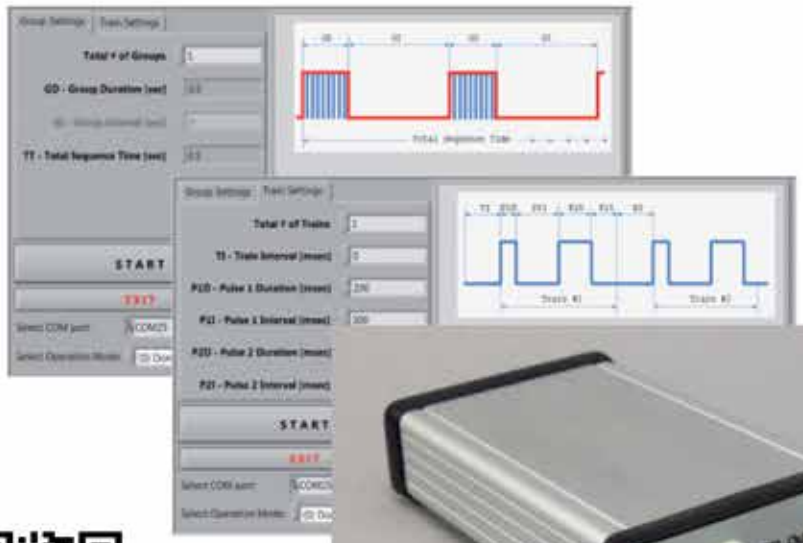
Tel 248-436-8085
sales.usa@prizmatix.com
www.prizmatix.com

Prizmatix

Your source for LEDs and Fiberoptics for Optogenetics

Optogenetics Toolbox for In-Vivo Freely Moving Mammals





A	Optogenetics-LED	Blue (ChR1,ChR2), Green (ArchT), Red (eNpHR3.0, red-shifted ChR) ultra bright fiber coupled LEDs for in-vivo optogenetics
B	Dual-Optogenetics-LED	Dual (Blue, Green, Red) ultra bright fiber coupled LEDs with independent channels
C	Pulser	TTL pulse train generator featuring simple PC software for pulse programming
D	Rotary-Joint	Low friction fiber optic Rotary Joint for in-vivo optogenetics with smallest mammals
E	Optogenetics-Fiber-1000	Polymer optical fiber, High NA, 1000um core, SMA to FC connectors
F	Optogenetics-Fiber-500 Optogenetics-Fiber-2x500	Polymer optical fiber , High NA, 500um core, FC to ferrule. Dual (2x500) bundle available for bilateral stimulation
G	Sleeves	Zirconia sleeves for 2.5mm or 1.25mm cannulae
H	Implantable Cannulae	Ferrules diameters: 2.5mm and lightweight 1.25mm for smaller animals as mice