

Introducing Prizmatix Modular Systems for Biophotonics



*** STOP PRESS ***

Prizmatix will be with us at the
Oxford Day of Photonics
Monday April 20th

Elliot Scientific is pleased to introduce an exciting new range of products from **Prizmatix** for microscopy, optogenetics (see below), and other scientific or industrial applications.

Prizmatix is a scientist-led designer and manufacturer that specialises in ultra high-power LED illumination systems with up to 4 Watts output. Their systems incorporate the latest technologies within modular components to offer maximum versatility in light delivery. The product range includes:

- **Ultra high-power LEDs for microscopy and imaging**
- available in a range of power levels and wavelengths across the spectrum
- **Optogenetics**
- single and dual wavelength systems for use **in-vivo** and **in-vitro**
- **Multi-wavelength LED systems**
- modularity and versatility for custom setups
- **Fibre-coupled units**
- up to 11 different wavelengths in one box

Experienced in the development of various photonics products for fluorescence and Raman spectroscopy, microscopy, and absorption measurements using fibre-optic techniques and related technologies in bioscience, Prizmatix have engineered a versatile and modular range of optical components

From these, a comprehensive custom setup can be put together in a variety of configurations quickly and conveniently. Ideal for the neurosciences, biophysics, biochemistry et al. Typical experiments include:

- Multiwavelength detection & excitation
- Intensity monitoring
- In-line filtering, attenuation or polarisation
- Reflectance or fluorescence detection for in situ, in vivo, or in vitro applications

Contact us now for details and technical specifications of the standard and custom products in the Prizmatix range.

New minimum pulse distortion optics from FEMTOLASERS



New optics for ultrafast TiS lasers from **FEMTOOPTICS** by FEMTOLASERS are optimised to minimise pulse distortion:

- Dielectric 5% & 10% beamsplitters | sub-7 fs | p-polarised now in 2" diameters
 - Constant splitting ratio over a large spectral bandwidth
 - Minimum GDD upon both reflection and transmission
- Dielectrically enhanced Ag mirrors now in 3" diameters
 - High reflectance and low GDD over ~ one optical octave
- Ultra broadband dielectric 0° and 45° mirrors now in 3" diameters
 - Maximum bandwidth achievable with non-dispersive dielectric mirrors
 - High reflectance

For more info about these and other **FEMTOLASER products**, please **contact us**.

RoadVista hits Traffex next week: Elliot Scientific drives to Birmingham

RoadVista is an established manufacturer of retroreflectometer equipment for compliance testing of road signs and line markings. Now available in the UK and Ireland, the instruments deliver the highest performance in accuracy, reliability, and usability, and will be demonstrated at **Traffex in Birmingham** next week. Illustrated below are three of five systems Elliot Scientific will be showing:



The **RoadVista 922D** handheld retroreflectometer is designed to measure the retroreflection (RA) of road signs and other materials. It features an annular measurement geometry simplifying the measurement process and meets BS EN 12899-1 and DIN 67520 test specifications.



RoadVista's **StripeMaster 2 Touch** is a retroreflectometer designed for use in the field to measure retroreflectivity (RL) of glass beads embedded in white or yellow thermoplastic, traffic paint or temporary marking materials.

RoadVista's Laserlux CEN 30 (below right), a vehicle mounted road retroreflectometer system will also be at the show. This instrument can measure road markings in real time while travelling at varying traffic speeds.

ROADVISTA



Contact us now for more details about the RoadVista range, or call 01582 766300

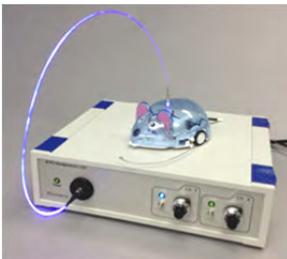
In-vivo and In-vitro products for Optogenetics from Prizmatix



Prizmatix offer a full range of modules for in-vivo and in-vitro optogenetics. Starting from single wavelength plug-and-go Optogenetics-LED kits, to multi-wavelength systems in the same fibre for activation and silencing. From light sources to cannulae and everything in between, Prizmatix provides all the components necessary for researchers working in neuroscience, neurobiology, biochemistry and biophysics.



Fibre-coupled high-power Prizmatix **Optogenetics LED light sources** can be triggered by an external TTL input and are specially designed to provide violet, blue, green or red light for activation or silencing of various opsins such as Channelrhodopsin (ChR), Halorhodopsin (NpHR), Archaelhodopsin (ArchT) and many others.



With better than millisecond-scale temporal precision, Prizmatix has been the researcher's equipment choice in **over 140 published scientific papers**. For zebrafish larvae, Prizmatix also offer an Ultra High Power LED illumination system for microplate Optogenetic set-ups.

Visit our **Prizmatix product pages** or **contact us** for more details about this scientist-designed *Optogenetics Toolkit* range.

Optical Tweezers at OPIE next week: Elliot Scientific flies to Yokohama

OPTICS & PHOTONICS International Exhibition
OPIE '15



Elliot Scientific is demonstrating Optical Tweezers and our range of precision positioning systems – from ultra-small slides to the Elliot Gold Series XYZ Flexure Stages – in the **LASER EXPO Zone at OPIE'15, Yokohama**.

Organised by the Laser Society of Japan, this technology exhibition is the largest laser related tradeshow in the country, enabling researchers and industry to discover the trends in nano- and macro-laser processing, optical communications, biotechnology and nanotechnology.

We will be joining our Japanese distributor **Autex** in **Booth O-1**.

The show takes place from April 22nd to 24th at the Pacifico Yokohama.

International Year of Light: Events to end of May



INTERNATIONAL
YEAR OF LIGHT
2015

The Light Project - Capturing Light

London, April 30th

All that Glitters: Egyptian Light in London

London: May 14th

Light: Beyond the Bulb

Burgess Hill: To July 31st

- *Need to measure light or colour?* Then have a look at **Gamma Scientific**

Next week, meet Elliot Scientific at...



Oxford Day of Photonics

April 20th



Traffex 2015: NEC Birmingham

April 21st-23rd



OPIE'15 Laser Expo: Pacifico Yokohama, Japan

April 22nd-24th

					
Website	Product Overview 2015	Optical Tweezers 2015	Components Catalogue 2013	2014 Newsletters	2013 Newsletters
					
Blog	LinkedIn	Facebook	Library on Issuu	YouTube Channel	