

LEDs AND ILLUMINATION

SpectralLED RS-7-SWIR

Gamma Scientific has introduced its SpectralLED RS-7-SWIR platform, which incorporates nine short-wave infrared wavelengths for synthesis of commercially available light sources or imported spectra. It features a spectral range from 900 to 1,700nm with illumination stability greater than 99.99 per cent across its 75mm output port. The illumination accuracy is NIST traceable to better than ± 3 per cent with full scale linearity better than 0.1 per cent RMS.

Through its 16-bit DAC current drivers, users can achieve up to five decades of dynamic range adjustment with a spectral accuracy greater than ± 2.5 nm. The firmware includes full spectral calibration with spectral fitting, pre-set storage and real-time optical feedback.

Options include fibre optic light delivery, wafer probe illumination configuration,



baffle tube output and a wide field of view configuration. Suited for calibration and testing of night vision sensors, remote sensing sensors and industrial monitoring equipment, it allows determination of quantum efficiency, spatial non-uniformity, pixel defects and crosstalk.

www.gamma-sci.com

Mighty Light Plus high power white light source



The Mighty Light Plus

(ML+) from Spectrolight is a high-power white light source for microscopy, white light interferometry, machine vision and precision inspection applications.

The ML+ outputs up to 7W from a 10mm diameter, detachable, armoured light guide. This provides high spatial uniformity suitable for both wide-field and focused spot illumination applications. And, all this is produced from an air-cooled package that is only 340 x 160 x 140mm.

The ML+ bulb temperature of 3,400K delivers output as short as 350nm, while producing useful power above 2.5 μ m. Rotation of a single knob enables the output power to be smoothly varied from 0 to 100 per cent.

An optional collimator enables the light guide output to be directed into a variety of free space optics applications or instruments. This collimator is designed to interface directly with Spectrolight flexible wavelength selectors.

www.spectrolightinc.com

UVC modules with water resistant (IPX7) and waterproof (IPX8) housings

Ultraviolet beams are an efficient means of water purification or sterilisation. LG Innotek, industrial partner of Laser Components, has introduced UVC modules with water resistant (IPX7) and waterproof (IPX8) housings. They can be applied close to, or even in, liquids,

thus providing highly efficient purification and low dispersion losses.

Both modules are equipped with SMD LEDs emitting at 278nm and feature an optical power of 2mW. They require just 12 VDC power sources. They can easily be integrated into a vast diversity of applications.

www.lasercomponents.com

SPIE. PHOTONICS EUROPE

Strasbourg, France
www.spie.org/pe2018

Register Today
Photonics Europe
2018

The premier European Optics and Photonics R&D Conference

22-26 April 2018