

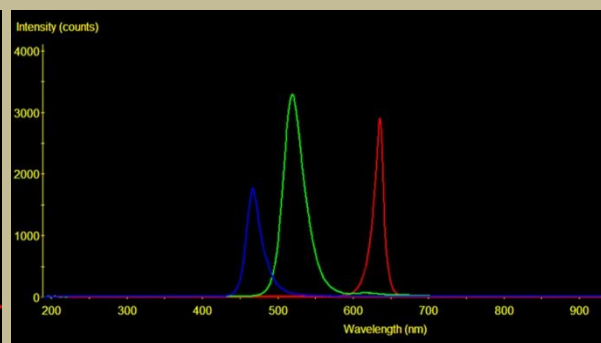
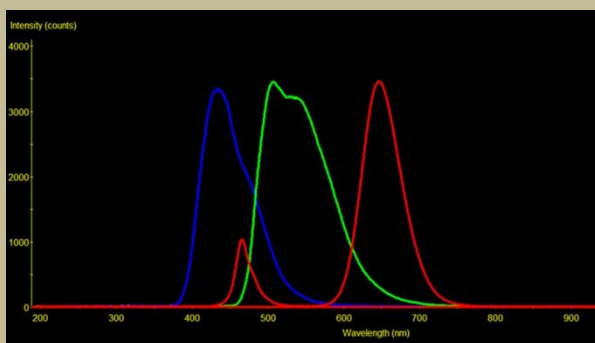
Wide-spectrum Color LED



Electrospell's Spectrafill green LED and Spectrafill RGB chipset are ideal devices for building full-color tuneable-spectrum lighting systems. The Spectrafill green LED generates extra-wide spectral coverage in the central green region of the visible spectrum. The 90 nm wide spectral output is much wider than that produced by ordinary green LEDs. In combination with usual narrowband red and blue LEDs, this allows building wide-spectrum light sources with tuneable color. Spectrafill LED can be used for making RGB lighting systems and white light systems where the shade of light can be easily controlled. These LEDs are available in through-hole and surface mount packagings.



Use of the Spectrafill LED chipset enables wider spectral coverage compared to ordinary LEDs. (see below, Spectrafill spectra on the left, ordinary LED spectra on the right). This feature makes possible color-controllable high CRI light sources for a wide range of applications. These LEDs can be easily driven with either analog or digital control to generate millions of shades of colored and white light. Full spectral coverage ensures that any object seen under Spectrafill light appears in its true colors and subtle shade variations can be distinguished. Accurate color rendering in solid-state illumination has never been so good before.



For further information, Spectrafill brochure and datasheets please visit the electrospell website: <http://www.electrospell.com>

PRP Inc
4200 E La Palma Boulevard
Anaheim
CA 92807, USA
Tel: (714) 528-5001