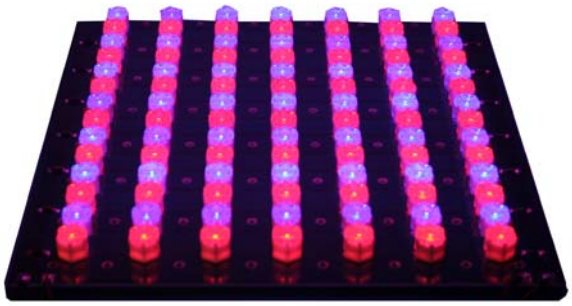
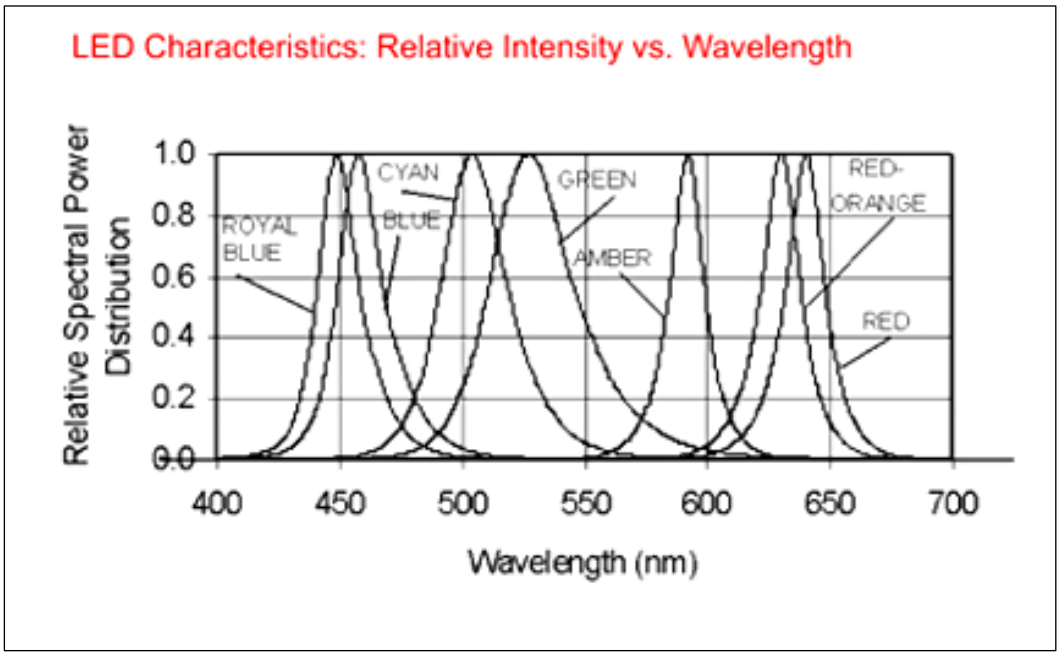
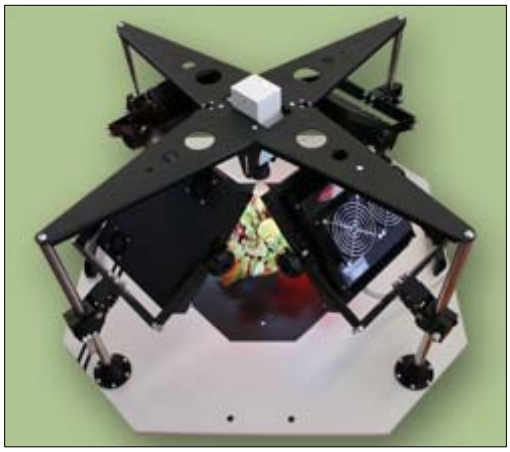
Issue 1

Powerful LED Light Sources for Uniform Light Distribution



- **Panel area 20 cm x 20 cm or 13 cm x 13 cm.**
- **High light output - up to 3,000 µmol(photon)/m2.s at the distance of 20 cm.**
- **Three standard color versions: blue, red, white.**
- **Other color versions available as an option.**
- **Uniform light distribution.**
- **Measuring flash duration 10-40 µs.**
- **Multiple regimes: flash, continuous light, harmonically modulated light.**
- **Generates powerful actinic light.**
- **Built-in temperature control.**
- **Stand-alone operation.**
- **Manual or remote control.**
- **Long life-time.**
- **Adjustable stand.**





- **The LED Light Sources are arrays of high-performance light emitting diodes (LEDs) that can operate in multiple regimes: flash, continuous light, harmonically modulated light, or they can work with a user-defined modulation.**

- **The LED panels are temperature stabilized to ensure well-defined photon flux that is uniform over a large area. Available are different versions of the LED Light Sources varying spectrally from UVA to Infrared.**

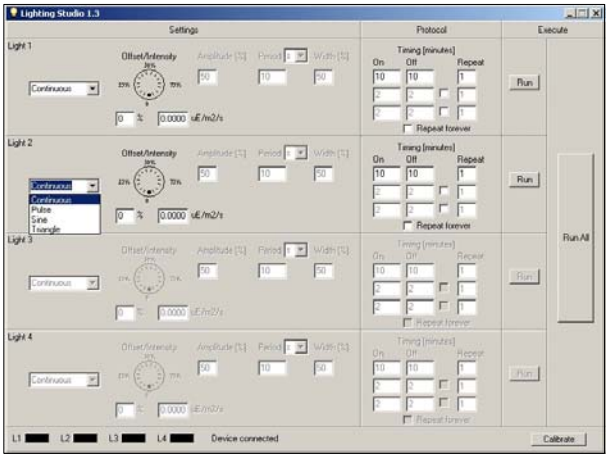
- **The LED Light Sources can be used as stand-alone devices controlled and powered by autonomous electronics. They can be supplied with the Light Studio software that enables precise control over the light mode, intensity and timing. They can also be integrated into other PSI instruments, such as the FluorCam, Photobioreactor, or the Double-Modulation Fluorometer**.

Light Studio Software

- **Precise control over the light mode, intensity and timing.**
- **User friendly.**

Light Controller

- **No PC needed.**
- **Precise control over the light mode, intensity and timing (microseconds to hours).**



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