



LED Lifetime Measurement System



Bentham manufactures a system for batch testing LEDs. Each carrier board accommodates up to 50 devices. A universal mounting socket has been developed to suit nearly all LED device packages currently supplied. A single keystroke enables full optical and electrical characterisation of each device with seamless integration with database and analysis software. The modular drive electronics are most commonly supplied with programmable forward current, I_f , and reverse voltage, V_r power supply. The system records for each device:

- Full spectral distribution
- Chromaticity co-ordinates
- Averaged intensity, $I_{LED B}$
- Colour purity and CRIs
- Peak wavelength and bandwidth
- Forward voltage, V_f
- Dominant wavelength
- Reverse current, I_r