

Measurement of LEDs in accordance with CIE127

Bentham manufactures a range of equipment to facilitate the measurement of LEDs in accordance with CIE127 recommendations. The CIE defines a new quantity 'Averaged LED intensity' and is specified for two geometries, CIE Standard Condition A and Condition B. These requirements specify a detector with circular entrance aperture of 100mm^2 area and measurement distances of 316mm for Condition A and 100mm for Condition B, which are fulfilled with our LED intensity tube that incorporates a small integrating sphere.



LED Intensity Tube



LED Total Flux

A larger sphere is used for total flux measurements and incorporates the necessary auxiliary and calibration lamps. Both the intensity tube and total flux spheres can be used in conjunction with our spectral measurement systems or filter based photometer/radiometer products.

EN60825

Bentham also supplies equipment for compliance testing of LED based products.