

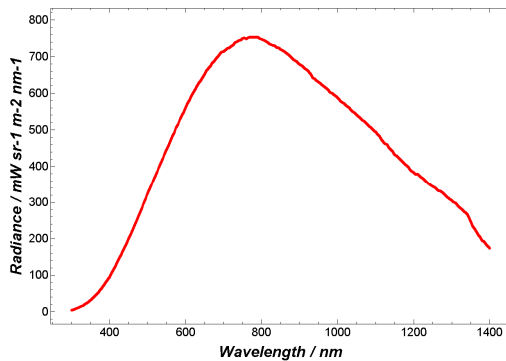
*The SRS12 is a uniform source calibrated in spectral radiance, having a large output window for the calibration of spectroradiometers, luminance meters etc., particularly those with wide fields of view or distant measurement planes.*

*Based on a  $Ba_2SO_4$  coated, 300mm diameter integrating sphere, the SRS12 is fitted with a baffled 100W quartz halogen to provide a uniform radiance over the 100mm output port of  $\sim 35kcd.m^{-2}$ .*

All Bentham calibration standards are provided with certificate values, and are calibrated against standards calibrated by the National Physical Laboratory (NPL), UK, providing traceability to a national measurement institute (NMI).

The standard calibration of the SRS12 may be extended according to particular measurement requirements.

The SRS12 has been designed to complement the Bentham TEL309 for the measurement of the Photobiological Safety of Lamps according to EN/IEC62471, where, in certain instances, the convolution of a relatively wide field of view and a measurement distance of several metres can lead to the requirement of a large uniform source for the purposes of calibration.



## Typical Values

**Luminance:**  $\sim 35,000 \text{ cd.m}^{-2}$

**Colour Temperature:** 3276 K

**Chromaticity:**  $x = 0.4197$   
 $y = 0.3996$

## Calibration Options

Standard calibration 380-800nm

**EX1** Extension of calibration from 300nm to 1400nm

The SRS12 requires a precision constant DC power supply at 8.500A, such as the Bentham 605 constant current supply.



605 p.s.u.