

RS-10D Uniform Light Source



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About Gamma Scientific

Since 1961 Gamma Scientific has produced LED, display and light measurement test solutions for production and R&D environments. Gamma Scientific instruments are trusted by leading global organizations that require high-speed, precision measurements and custom configurations for the most challenging environments. Gamma Scientific also operates a NVLAP accredited laboratory that performs LM-79/ LM-80 LED testing and is ISO 17025 compliant. NVLAP Lab Code 200823-0.

To view the complete line of test and measurement solutions from Gamma Scientific, please visit our website at www.gamma-sci.com.

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Gamma Scientific's <u>RS-10D uniform light source</u> is a precision source of radiant flux, used primarily to calibrate light measuring instrumentation and as stimuli to measure detection devices.

To maintain almost constant radiant flux output, tungsten halogen lamps are used exclusively. To power the sources, ultra-stable constant-current supplies utilize precision shunt current measurement and comparison circuits built into the source housing.

When used with its RS-70-X accessories, the RS-10D light source can be an absolute reference for producing standard outputs in luminance units of footlamberts, lamberts, candelas/m2, horizontal candlepower (candelas), and spectral radiance units of microwatts/cm2 *nm *steradian or illuminance units of lumens, footcandles, lumens/m2 (lux), and spectral irradiance units of microwatts/(cm2 * nm) or Watts/(m2 * nm) at a given distance.

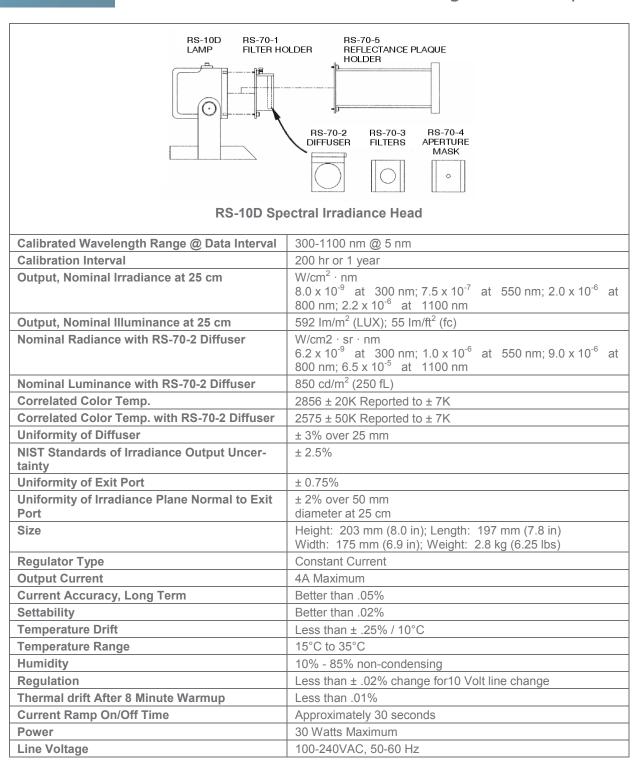
FEATURES

- NIST-traceable
- 200-hour calibration/l year with built-in timer showing elapsed time
- Calibrates spectroradiometers, radiometers, photometers and detector responsivity
- Measures reflectance and transmittance
- Tungsten halogen lamps for stable output
- Calibration reports in units of luminance, radiance, illuminance and irradiance





RS-10D Uniform Light Source Specifications



^{*}Standard Operating Range for Gamma Scientific Instruments- Temperature: Minimum: 0°C (32°F) - Maximum: 35°C (95°F); Relative Humidity (Non-Condensing): Minimum: 20% - Maximum 70%

^{**}The information contained in this data sheet is based on Gamma Scientific's internal evaluation and is subject to change at any time without notice.

^{***}Revised on April 14, 2015