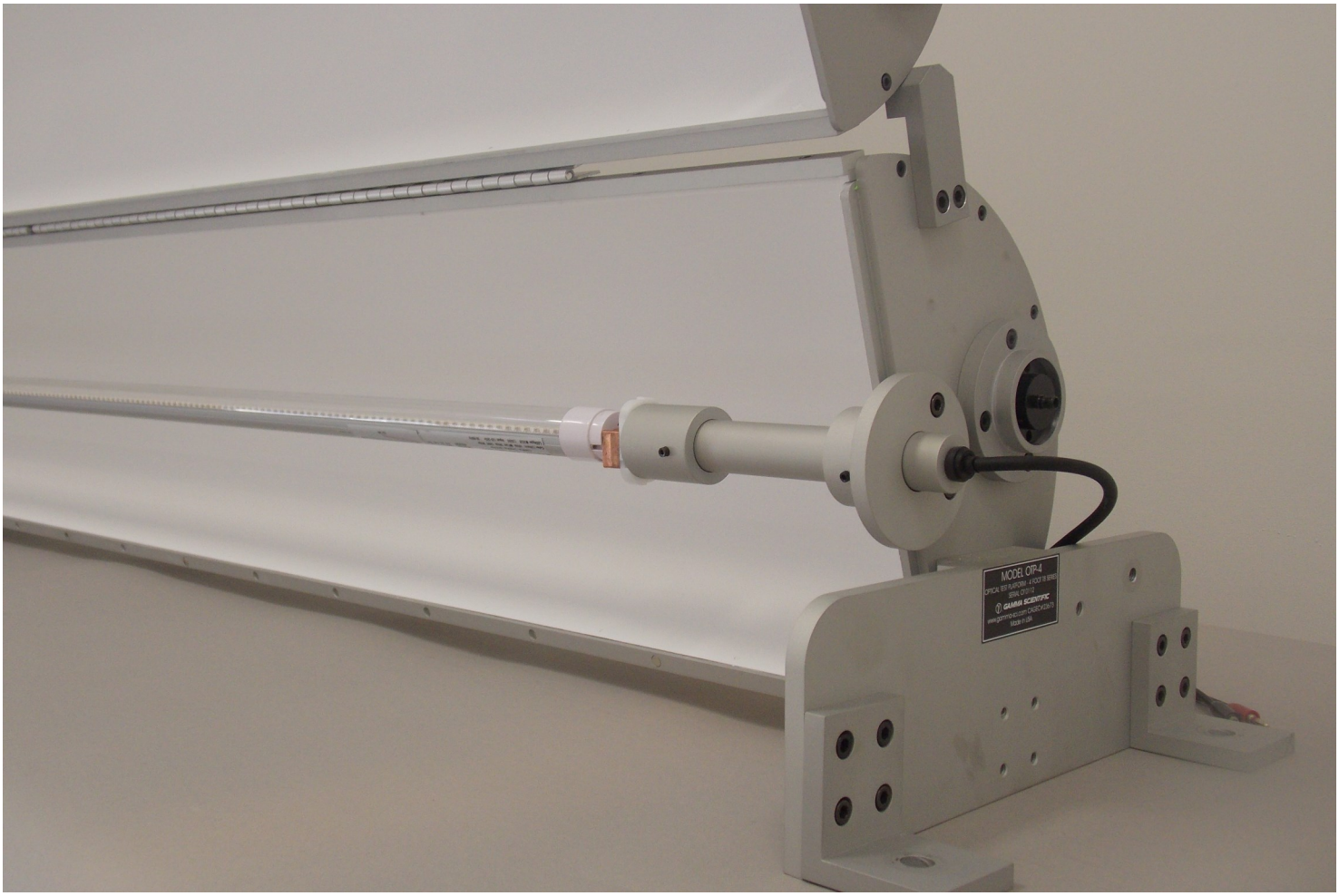
Optical Integrating Tube



GAMMA SCIENTIFIC™
Light Measurement Solutions

GAMMA SCIENTIFIC
Light Measurement Solutions

Optical Integrating Tube

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.

Gamma Scientific
9925 Carroll Canyon Road
San Diego, CA 92131
858-279-8034
contact@gamma-sci.com
www.gamma-sci.com

Large Integrating Sphere Performance at a Fraction of the Cost

Gamma Scientific's new optical integrating tube is an affordable alternative for testing your T8 and T12 lamps. The integrating tube can test lamps up to four feet in length, and adjusts to accommodate shorter lamps.

Our proprietary technology ensures that measurements are as accurate as those from a 2 meter integrating sphere, at less than half the price. The table top integrating tube is portable and occupies a much smaller footprint than a 2m integrating sphere.

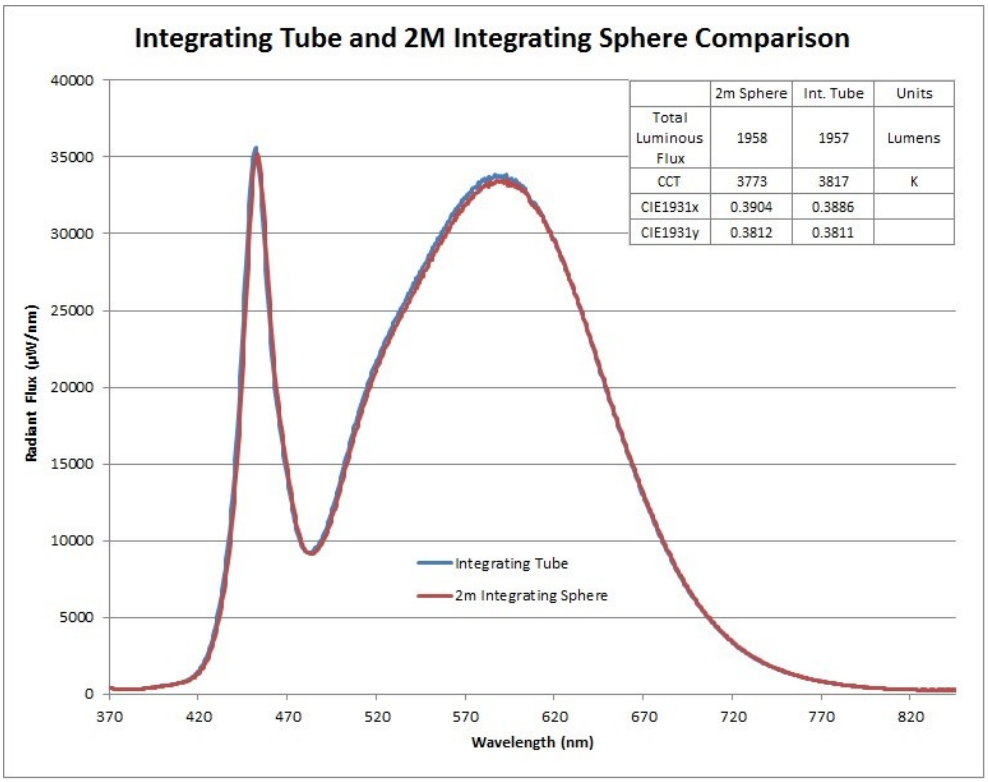
When paired with a Gamma Scientific spectroradiometer and power supply, the integrating tube can capture complete spectral measurements for tube lamps. Gamma Scientific integrating tube systems are accurate and produce highly-repeatable measurements.

Key Specifications

- Measures T8 and T12 lamps
- Accommodates tube lamps up to four feet in length
- Cost significantly less than a large integrating sphere
- Portable, table top design
- 67.5" L x 13" H x 13" W
- Accurate and repeatable measurements
- Measures total flux, chromaticity, CCT, CRI, peak wavelength and dominant wavelength

GAMMA SCIENTIFIC
Light Measurement Solutions

Optical Integrating Tube Correlation Data



	2m Sphere	Int. Tube	Units
Total Luminous Flux	1958	1957	Lumens
CCT	3773	3817	K
CIE1931x	0.3904	0.3886	
CIE1931y	0.3812	0.3811	

Comparison of Gamma Scientific Integrating Tube and 2 Meter Integrating Sphere Measurement of an LED T8 Replacement Lamp with a RadOMA Spectroradiometer

*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