

Flashlight Performance Test System

Turnkey solution to meet industry standards



Designed for the Portable Light Industry

Designed specifically for this application, the system evaluates lamp efficiency for development and manufacture of LED, tungsten, xenon and krypton portable lighting assemblies.

Easy to Use

Turnkey system includes Labsphere's fast and accurate mini spectrometer, flashlight measurement integrating sphere spectrometer, lamp standard spectral flux, absorption correction lamp and switch box for directing electrical current to either the lamp standard or auxiliary absorption correction using the same lamp power supply.

Fast and Accurate Test Results

Facilitate accurate spectroradiometric, photometric and colorimetric characterization meeting ANSI/NEMA FL1 standard requirements for run time and light output measurements.

Measures

Using the included FPT software, Total Luminous Flux (lumens), Total Forward Spectral Flux (watts/nm), Total Radiant Flux (watts), Color (CCT), Lamp Performance vs Time, Peak and Dominant Wavelength, Spectral Purity, Color Rendering Index (CRI), Chromaticity Coordinates, and Half-Bandwidth, Run Time.

Ordering Information

FPT-600-050, Flashlight Performance Test System		AA-90041-050
Flashlight Performance Test System includes: 0.5 diameter Flashlight Test Sphere, Electronics Rack with DC power Supply, CDS-600 Spectrometer, 2PI-1-INT-600 reference lamp, AUX-50 absorption correction lamp, Entrance Port reducer, FPT Test and Control Software		
FPT-600-100, Flashlight Performance Test System		AA-90041-100
Flashlight Performance Test System includes: 1m diameter Flashlight Test Sphere, Electronics Rack with DC power Supply, CDS-600 Spectrometer, 2PI-1-INT-600 reference lamp, AUX-50 absorption correction lamp, FPT Test and Control Software		
FPT Software		AA-90050-100
Includes FPT Flashlight Performance Test software		
FPT Options		
4PI Kit FPT-600-050-US		AA-90042-050
Enhances FPT-600-050-US for 4PI measurements. Includes lamp holder, lamp post, connector box cables and tools. SCL-600 not included		
4PI Kit FPT-600-100-US		AA-90042-100
Enhances FPT-600-100-US for 4PI measurements. Includes lamp holder, lamp post, connector box cables and tools. SCL-600 not included		
SCL-600		AS-01335-000
35W 4pi Spectral Flux Standard. NVLAP*		
CSFS-600		AS-01336-000
35W 4pi Spectral Flux Standards, Set of Three. NVLAP*		
2PI-3-INT-600		AS-80003-001
2pi reference lamp kit, internal mount, set of 3 - NVLAP*		
FPT-FLH-050		-
Universal Flashlight holder for 2pi port for 0.5m FPT		
FPT-FLH-100		-
Universal Flashlight holder for 2pi port for 1.0m FPT		
FPT Replacement Parts		
2PI-1-INT-600		AS-80003-000
2pi reference lamp, internal mount - NVLAP*		
AUX-50		AS-81060-002
Absorption Correction Lamps		
CDS-600 Mini Spectrometer		AS-02767-000
Extended Warranties		
Extended Warranties	Software (12 Months)	AA-01375-000
Extended Warranties	Parts Only (12 Months) (not including lamps)	AA-01375-001
Extended Warranties	Parts and Labor (12 Months) (not including lamps)	AA-01375-002

*ISO/IEC 17025:2005 Lab Code 200951-0