

Sensegood SpectraBooth

A color viewing cabinet color matching light booth/box by *Sensegood Instruments Private Limited* – a company that is a leading manufacturer of its PATENTED color measurement solutions such as; color spectrophotometers, colorimeters, color matching analyzers, color consistency analyzers, color difference analyzers, whiteness meters, and more. The company is Original Equipment Manufacturer (OEM) of these products and has global operations in 44 countries.



Following are the **technical details** of the Sensegood SpectraBooth:

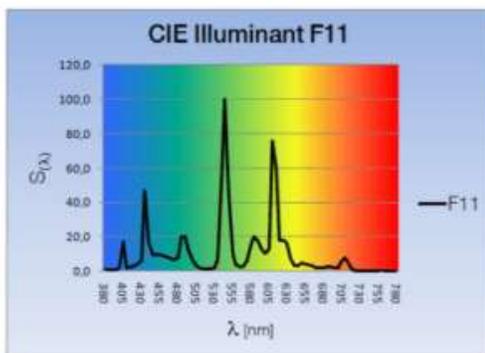
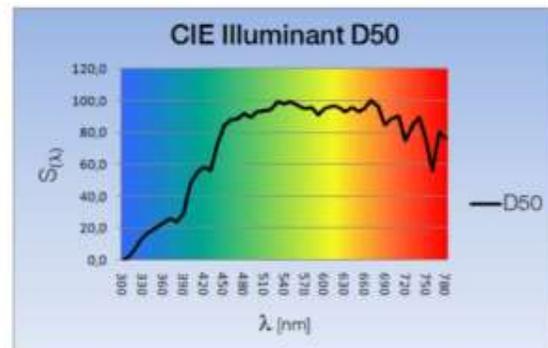
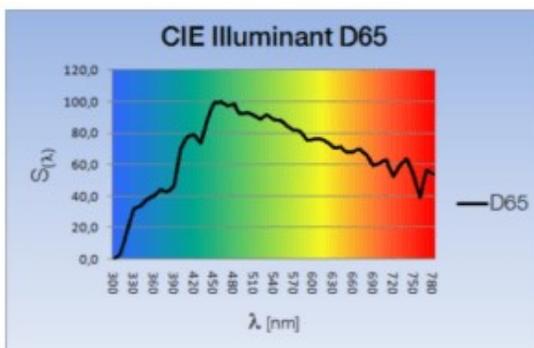
- ✓ CIE Standard Illuminants/ Light Sources:
 - D65/ Noon Daylight
 - D50/F8/F40/Horizon Light (Close to: F10/U50/TL85)
 - TL84/U40/F11
 - TL83/U30/F12
 - A/Incandescent/Tungsten
 - Long wave UV
- ✓ Color temperatures (in Kelvin): 6500, 5000, 4000, 3000, 2856, >6500K for UV
- ✓ Total number of light sources: 13 (2X65, 2xD50, 2xTL84, 2xTL83, 4xA, 1xUVA)
- ✓ Easy operation using TFT color touch screen
- ✓ Facility for the Auto Sequencing of illuminants
- ✓ User can program the desired light sequence
- ✓ User can set the desired exposure time for auto sequencing mode
- ✓ Niche electronics from the Philips, GE, Robert Bosch or equivalent
- ✓ Separate electronic ballasts for each light source illuminant
- ✓ User can easily replace light sources
- ✓ Two cooling fans for constant mild air circulation
- ✓ Coated with the true neutral grey color which ensures no stray reflections from the booth walls
- ✓ Robust steel body
- ✓ Operating voltage and current: 230 Volts, 5 Amp AC
- ✓ Low power consumption – minimum: 25 Watts (~0.11 Amp current at 230 Volts), maximum:<290 Watts (~1.26 Amp current at 230 Volts) when all the sources are turned on simultaneously
- ✓ Weight ~ 50Kg with packaging
- ✓ SpectraBooth Dimensions: 60 cm height x 60 cm depth x 70 cm width
- ✓ Packaging dimensions: ~72 cm height x 68 cm depth x 83 cm width
- ✓ Wooden box packaging

- Use cases: including but not limited to; textile, paper, plastic, chemical, pigments, cosmetics, rubber, food, packaging, agriculture, color paint coatings, solid, liquid, powder, paste

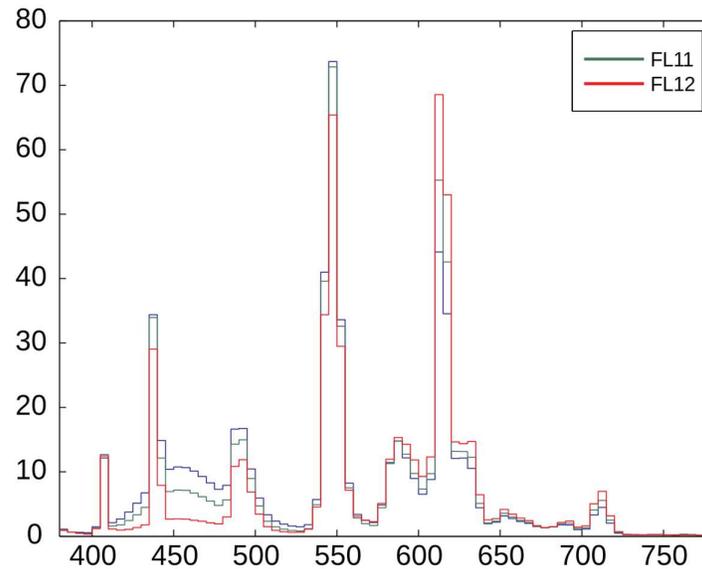
YouTube Video Link: https://www.youtube.com/watch?v=VxDPR8QS_cl

Source	CIE 1931 2°		CIE 1964 10°		CCT(K)	Additional Info
	x_{2°	y_{2°	x_{10°	y_{10°		
D65	0.3127	0.329	0.3138	0.331	6504	D65/ Noon Daylight
D50	0.3457	0.3585	0.3477	0.3595	5003	D50/F8/F40/Horizontal Light (Close to: F10/U50/TL85)
F11	0.3805	0.3771	0.3854	0.3712	4000	TL84/U40/F11
F12	0.437	0.4044	0.4426	0.3972	3000	TL83/U30/F12
A	0.4476	0.4075	0.4512	0.4059	2856	A/Incandescent/Tungsten
UVA	Long-wave low-pressure mercury-vapour fluorescent UV illuminant for the quick detection of UV-reflective surfaces					

Measured Typical Power Spectral Distributions of the illuminants used in the Sensegood SpectraBooth:



Measured Typical Narrowband Power Spectral Distributions: Comparison between F11 (4000 Kelvin) and F12 (3000 Kelvin):



Worldwide supply:

Sensegood Instruments Private Limited has global operations in USA, UK, France, Netherlands, Spain, Switzerland, Austria, Germany, Poland, Russia, Belarus, Greece, Argentina, Canada, Latvia, Wales, Australia, New Zealand, India, Israel, Egypt, South Korea, Puerto Rico, Mexico, Brazil, South Africa, Oman, Panama, Costa Rica, Saudi Arabia, UAE, Malaysia, Indonesia, Bangladesh, Nigeria, Thailand, Lebanon, Laos, Chile, China, Peru, and Philippines.



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