

SpectraLight® Jr.

Lighting Systems



The world's most accurate daylight simulation — now available in a portable desktop viewing booth.

GretagMacbeth is proud to announce a breakthrough in viewing booths: SpectraLight Jr. It gives you proven SpectraLight performance in a compact desktop viewing booth.

This handsome little unit is about half the size, weight, and cost of SpectraLight III — making it the perfect choice for office desktop and point-of-purchase applications.

Small as it is, SpectraLight Jr. has all of the features and capabilities of its field-proven parent — SpectraLight, an industry standard since 1974 — and then some. Including:

- Filtered tungsten halogen daylight simulation
- Increased daylight lamp life
- Smaller footprint
- Transportable, lightweight unit
- Balanced light levels
- Reduced electrical requirements and noise levels
- Improved serviceability and safety

Daylight and horizon.

Like SpectraLight, SpectraLight Jr. uses GretagMacbeth's patented filtered tungsten light source to give you the world's most accurate simulation of natural daylight. No other light booth this small features a tungsten lamp.

Ideal for designers and color pickers in the apparel, textile, appliance, cosmetic, and graphic arts industries.

You get four different light sources and UV:

- Choice of daylight (D75, D65, D50)
- Ultraviolet — with five times the energy level of near UV found in natural daylight.
- Horizon Daylight at 2300K
- Illuminant A (Incandescent) at 2856K
- Cool White Fluorescent or your choice of TL84 or U30
- NIST traceable certification



...small size,
big performance.

Multiple light sources permit metamerism testing. Ultraviolet can be used by itself or in combination with other light sources for the detection and evaluation of optical brighteners, whitening agents, or fluorescent dyes and pigments. Horizon and daylight simulates early morning sunrise or afternoon sunset when daylight is the reddest. The use of horizon and daylight assures match will be acceptable throughout the day.

Easy on the eye.

The booth's interior is made from a low gloss, neutral-gray (Munsell N7 standard) material to eliminate color-viewing errors. Optional white, dark gray (N5), and black panels are available for evaluating extremely light or dark samples.

The handsome exterior is molded plastic with rounded corners. An easy-to-use push button membrane keypad completes the high-tech look of this aesthetically pleasing but highly functional unit.

Servicing SpectraLight Jr. is a snap. A removable diffuser gives you quick and easy access to all lamps, reflectors, and daylight filters. The daylight filters come out so you can change the lamps yourself, without a visit from a service technician.

Meets and exceeds all key industry standards.

The SpectraLight Jr. exceeds all major national and international standards governing daylight simulation quality and viewing conditions. These include:

- ASTM D1729 for visual evaluation of color differences of opaque materials.
- ISO 3664 for viewing color reproductions.
- ASTM D1729
- DIN 6173
- CIE Publication 51
- BS950
- QS 9000
- SAE J361
- JIS Z 8723
- GM 9220P
- AS 4004

Saves time and energy.

SpectraLight Jr. features our new SmartLogic software for accelerated throughput with faster color approvals. Large, easy-to-read controls permit quick selection of light sources.

A separate on/off control for the UV source allows the selection of UV alone or with other sources.

An automatic energy-saving mode extends daylight lamp life to in excess of 2,000 hours. The system operates on 12 volts, reducing electrical and cooling requirements.

The easy-to-read elapsed-time meter reminds you when it's time to replace a lamp. User-adjustable color temperature permits convenient calibration, with certification traceable to NIST standards. This enables you to self-certify your viewing booth with our LightSpex™ Spectro-Radiometer and LightSoft™ Plus software saving thousands of dollars in recertification costs.

Specifications at a glance

Dimensions	16" wide X 12" deep X 14" high			
Weight	20 lbs.			
Power requirements	90 VAC - 265 VAC / 50 Hz - 60 Hz			
Light Sources	Color Temperature	Description	Traditional Usage	
Choose one {	Daylight (D75)	7500K	North Sky Daylight Filtered Tungsten Halogen	Textile, Plastic and Paper
	Daylight (D65)	6500K	Average North Sky Daylight Filtered Tungsten Halogen	International Standard for Automotive, Retail, Plastics, Paints
	Daylight (D50)	5000K	Noon Sky Daylight Filtered Tungsten Halogen	Graphic Arts Standard
	Horizon	2300K	Horizon Daylight simulates early morning sunrise or sunset Tungsten Halogen	Automotive, Apparel, Metamerism Testing
	Illuminant A	2856K	Incandescent Tungsten Halogen	Home or Store accent lighting
Choose one {	CWF (Cool White Flourescent)	4150K	Wide Band Flourescent	Primarily USA stores and office lighting
	Ultralume 30	3000K	Narrow Band Flourescent	Typical stores and office lighting
	TL84	4000K	Narrow Band Flourescent	Primarily Europe & Asia retail and office lighting

For more information or a free demonstration of SpectraLight Jr., call 800-622-2384 today. Or visit www.gretagmacbeth.com.



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