



SpectraLight® III

The Unrivaled Standard For Accurate Color Evaluation

The SpectraLight III color viewing booth is the reference viewing system most widely specified by major brand owners globally. This is because of its patented filtered tungsten technology which delivers the world's most accurate simulation of natural daylight. SpectraLight III features SmartLogic technology and other innovative features designed to increase productivity and accelerate throughput with faster and more accurate color approvals.

SpectraLight® III

Available in either booth or overhead luminaire configurations

Improve Color Rendering

Unique filtered tungsten technology delivers the world's most accurate simulation of natural daylight, rendering color more accurately. Trusted globally by major brand owners and specifiers as the reference lighting system for the visual evaluation of color, SpectraLight III will help you to make critical color decisions with greater ease and confidence.

Rapid, Simple Programming For Hands-Free Operation

SpectraLight III offers a new level of convenience and productivity in color evaluation. Its digital display allows you to easily program a sequence of different light sources for hands-free viewing. This innovative capability saves time, maximizes sample throughput, and helps prevent operator fatigue.

You can preset any combination of six light sources – Daylight (choice of 7500K, 6500K or 5000K), Illuminant A (home lighting), Horizon, Ultraviolet, and dual fluorescent sources (choice of Cool White, TL84, U30 (3000K) or U35 (3500K)). The ultraviolet lamp can be used by itself or in combination with any of the light sources for the detection or evaluation of optical brighteners, whitening agents or fluorescent dyes and pigments.

Better Color Control With Lower Cost

Realize additional savings with the SpectraLight III automatic energy-saving mode. Together with the unit's SmartLogic technology, this feature significantly extends lamp life. And there is no more guessing about lamp replacement: An easy to view elapsed time meter reminds you when it is time to perform this necessary maintenance.

Conforms to International Standards

SpectraLight III conforms to or exceeds all major international standards for the visual evaluation of color. These include ASTM D1729 for visual evaluation of color differences of opaque materials, ISO 3664 for illumination conditions for viewing reproductions, as well as DIN, AATCC and BSI standards.

Specifications

	Each Booth	Each Luminaire
Dimensions	Height: 27.5 in (69.9 cm)	Height: 9.5 in (24.1 cm)
	Width: 37 in (94 cm)	Width: 37.1 in (94.2 cm)
	Depth: 24.4 in (62 cm)	Depth: 25.7 in (65.3 cm)
Weight	154 lbs (70 kg)/181 lbs (82 kg) (including luminaire)	92 lbs (42 kg)/115 lbs (52 kg)
Cabinet Color	Munsell N7	
Electrical Power Requirements		Dedicated 20 A line and 20 A line protection configured receptacle, required for 90-120 VAC. Maximum power dissipation is 1500 watts.
		100-117 VAC ± 10% 50/60 Hz supplied with 5-20P NEMA (National Electrical Manufacturers Association) plug
		220-240 VAC ± 10% 50/60 Hz supplied with CEE 7/4 a continental Europe plug
Illuminant Sources		
Daylight Options*		7500K, CIE D75 North Sky Daylight 6500K, CIE D65 Average North Sky Daylight 5000K, CIE D50 Noon Sky Daylight
Fluorescent Options*		Cool White (4150K), U30 (3000K), U35 (3500K), TL84 Typical Store/Office Lighting
Horizon		500 watt Tungsten Halogen Simulates early morning sunrise and late afternoon sunset
Illuminant "A"		2856K, Typical Incandescent Home Lighting
Ultraviolet		Filtered Near UV

* Choice of daylight and fluorescents sources. The choice of a specific daylight and fluorescent source should be based on the standard governing your industry or application.

Specifications subject to change without notice

Daylight



Horizon



Incandescent



TL 84



Cool White



To learn more about the SpectraLight III viewing systems, contact your Macbeth representative.

SpectraLights are supplied with a Certificate of Performance with traceability to NIST (National Institute of Standards and Technology). We offer Preventive Maintenance and Certification Service for your SpectraLight viewing systems. This factory authorized service has been established to provide you with the assurance that the system meets the specified requirements for color rendering quality, which is essential for visual evaluation or color matching. Factory certification, which satisfies the requirements for ISO 9000, is recommended once a year.

X-RITE WORLD HEADQUARTERS

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Macbeth Lighting

