

The Judge®

Judge® II, Judge® II-S, Judge® III

Lighting Systems

Whether you're making a presentation, designing or selecting product color, any of The Judge color viewing systems is invaluable for evaluating product color quality and uniformity.

Designed to operate anywhere in the world, these compact critical color evaluation systems combine exceptional versatility and quality in a construction that will meet your needs. They're available in a foldable, portable version, **The Judge II**, a stationary steel booth, **The Judge II-S**, or for variable light intensity settings, **The Judge III**.

Improve color rendering with patented technology

GretagMacbeth's seven-phosphor fluorescent daylight technology renders color more accurately than typical three-phosphor fluorescent technology which intensifies blues and greens while graying reds, resulting in less accurate color matches. The patented GretagMacbeth lamps provide the closest daylight simulation available in a fluorescent source, delivering the highest Color Rendering Index (CRI) in the industry.

More accurate color approvals with multiple, switchable light sources

An important benefit of evaluating colors under multiple light sources is the ability to detect metamerism. This phenomenon occurs when colors appear to match under one set of viewing conditions but fail to match under another.



... accurate
visual color decisions,
everytime.

SpectraLight® III Color Viewing Booth

Faster Color Viewing Using The World's Most Accurate Daylight Simulation

The GretagMacbeth SpectraLight® III color viewing booth features innovations designed to increase productivity and reduce costs, while providing the world's most accurate simulation of natural daylight.

The new SpectraLight III *SmartLogic* technology delivers accelerated throughput with faster color approvals. And a new user-adjustable color temperature feature lets you benefit from sizable reductions in recertification costs.

Rapid, Simple Programming For Hands-Free Operation

SpectraLight III offers a new level of convenience and productivity in color evaluation. Using the booth's digital display, you can 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 D75, D65 or D50), Illuminant A (home lighting), Horizon, Ultraviolet (two levels) and

new dual fluorescent sources (choice of Cool White, TL84 or U30.)

The SpectraLight III is available in either booth or overhead luminaire configuration.

Better Color Control With Lower Cost

Another SpectraLight III innovation — user-adjustable color temperature — permits easy calibration utilizing a single button. This same feature, when used with a traceable spectroradiometer, enables you to self-certify your viewing booth, potentially saving thousands of dollars in recertification costs.

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



The Unrivaled Standard For Accurate Color Evaluation

The patented filtered tungsten technology delivers the world's most accurate simulation of natural daylight. SpectraLight III meets or exceeds all major international standards for visual color evaluation.



Daylight



Horizon



Incandescent



TL84



Cool White

Specifications

	Each Luminaire	Each Booth
Dimensions	Height: 9.5" (24.1 cm) Width: 37.1" (94.2 cm) Depth: 25.7" (65.3 cm)	Height: 27.5" (69.9 cm) Width: 37.1" (94.2 cm) Depth: 24.4" (62.0 cm)
Weight	92 lbs. (41.7 kg)	154 lbs. (69.9 kg) (including luminaire)
Shipping Weight	107 lbs. (48.5 kg)	194 lbs. (88 kg)
Electrical Power	Dedicated 20 amp line and 20 amp line protection configured receptacle, 117 VAC. Maximum 2000 watts power required for proper operation of 110 VAC and 117 VAC units. 100/117 VAC ± 10% 50/60 Hz (5 - 20P plug) 220/240 VAC ± 10% 50/60 Hz (CEE 7/4 plug)	
Lamp Complement	D75/D65/D50 Daylight: Two (2) 750 Watt Tungsten Halogen Horizon Light: Four (4) 500 Watt Tungsten Halogen Illuminant A: Two (2) 150 Watt Tungsten Halogen Cool White Fluorescent: Two (2) F30T8/CWF TL84: Two (2) F30T8/TL84 Ultraviolet: Two (2) F30T8 BLB & One (1) F6T5 BLB	

Specifications subject to change without notice.

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

GretagMacbeth 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 GretagMacbeth 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.



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