

SpectralLight Lighting Filtered Tungsten Halogen

SPECTRALIGHT III
the ultimate in precision and convenience.

Features

- Six (6) programmable light sources for hands-free viewing
- Spacious interior
- User-adjustable color temperature
- SmartLogic extends lamp life
- Elapsed time meter indicates lamp replacement
- Meets or exceeds all major international standards including ASTM D1729, ISO 3664, SAE J361, DIN, ANSI and BSI
- Available in overhead luminaire

Specifications

- Booth Dimensions:
27.5"H x 37.1"W x 24.4"D
- Weight: 154 lbs
- Luminaire Dimensions:
9.5"H x 37.1"W x 25.7"D
- Weight: 92 lbs

Specialty Lighting 7 Phosphor Fluorescent

EXAMOLITE
convenient overhead luminaires for grading and sorting products by color.

Features

- Prismatic diffusing glass and anodized aluminum reflector for brightness and even illumination
- Suspend or insert into standard ceiling grid
- Up to three light sources
- Optional UV-stabilized acrylic diffuser for food safety requirements and reduced glare in diamond grading.

Specifications

- Dimensions:
8"H x 23.75"W x 48"L
- Weight: 90 lbs.
- Shipping Weight: 135 lbs.

JUDGE II-S

stationary steel booth for graphic arts and industrial applications

Features

- Meets or exceeds major international standards for visual color evaluation including: ASTM D1729, ISO3664, DIN, ANSI, and BSI
- Up to five light sources
- Elapsed time meter indicates lamp replacement

Specifications

- Dimensions:
21.85"H x 26.5"W x 20.5"D
- Weight: 50 lbs.
- Shipping Weight: 60 lbs.

Prooflite Luminaire

PROOFLITE PLD
overhead luminaires

Features

- 5000 hours of consistent D5000 illumination
- Available with four (4) or eight (8) lamps
- Suspend or insert into standard ceiling grid
- Eight lamp fixtures include two daylight sources (four lamps each source)

Specifications

- Dimensions:
8"H x 23.75"W x 48"L
- Weight: 90 lbs.
- Shipping Weight: 135 lbs.

Viewing Rooms

"HARMONY ROOM"

Known in some industries as fit and finish areas, these dedicated spaces simulate the consumer experience and provide the means to evaluate final products for color harmony between parts provided by different vendors. Using overhead and/or wall-mounted lighting sources, harmony rooms are also used to assess the harmony of a product's color palette. Each room is customized to meet product and color viewing requirements.



SpectraLight III



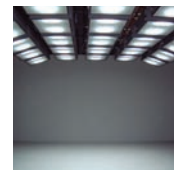
Examolite/Prooflite



Judge II-S



Harmony Room



Macbeth Lighting

Color Viewing Technology

Detect and correct spot color discrepancies before customers do with a selection of lighting solutions for critical color decisions. These evenly balanced systems eliminate guesswork and streamline the approval process to ensure color harmony throughout a supply chain.

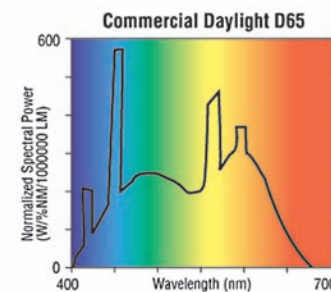
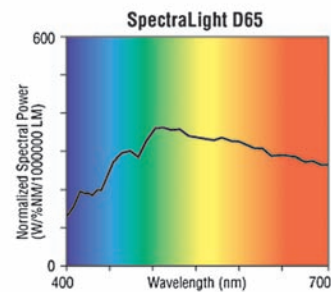
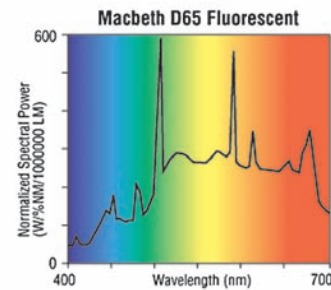
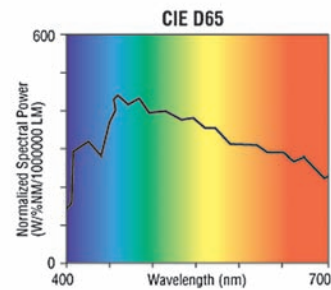


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Macbeth Lighting Advantages

- **Eliminate False Readings.** Daylight-based technology assures lighting is evenly balanced across the color spectrum, providing a consistent, accurate rendering of color
- **Avoid Metamerism Issues.** Multiple light sources allow for viewing under different conditions, removing the risk of metamerism, a condition in which samples matched under one light source do not match under another
- **Organize Color Programs.** Precise technology enables an entire supply chain to efficiently manage color decisions
- **Targeted Choices.** Products allow for selection based on overall color requirements, product type, and industry demands
- **Build In Reliability.** Products come complete with NIST traceable certification
- **Easy to Use.** Products and components are readily available and designed for easy access for servicing and lamp replacement



Lighting Systems At A Glance

Lighting Systems	DAYLIGHT	HORIZON	FLUORESCENT	INCANDESCENT	UV
Filtered Tungsten-Halogen SPL III	Choose One D50/D65/D75	•	Cool White plus TL84 or U30	•	UV Light Alone/ UV With Daylight
7 Phosphor Fluorescent Judge II-S Examolite SD840B Examolite TC440B Prooflite	D50/D65/D75 D50/D65/D75 Blended D75 D50/D65/D75		Cool White plus TL84 or U30 Cool White	• •	UV Light Alone

Chart Key

- D50 = D5000K
- D65 = D6500K
- D75 = D7500K
- CWF = Cool White Fluorescent (4150K)
- TL84 = TL84 (4100K) Narrow Band Fluorescent
- U30 = U30 (3000K) Ultralume 30 Broad Band Fluorescent

Quick Guide to Light Sources

Daylight

- D5000K – Noon sky daylight for graphic arts applications.
- D6500K – Average north sky daylight for industrial color management, such as: automotive, consumer electronics, appliances, textile and apparel, home furnishings and others. Specified by industry.
- D7500K – North sky daylight for graphic arts pressroom applications, sorting and grading textile white goods, and produce evaluations.

Horizon

Commonly used in textile and automotive applications.

Cool White Fluorescent/TL84/U30

Simulates office, in-store, or showroom floor lighting.

Incandescent

Simulates home and store accent lighting.

UV5X

Higher intensity (five times that of the sun) for detecting optical brighteners and fluorescent whitening agents in paper, textiles, and plastics.

UV

The amount of UV found in natural daylight for simulating the effects of optical brighteners and fluorescent whitening agents on color.



Note: Macbeth system lamps do not contain UV wavelengths.