

X-Rite Lighting Solutions

World-Class Visual Assessment



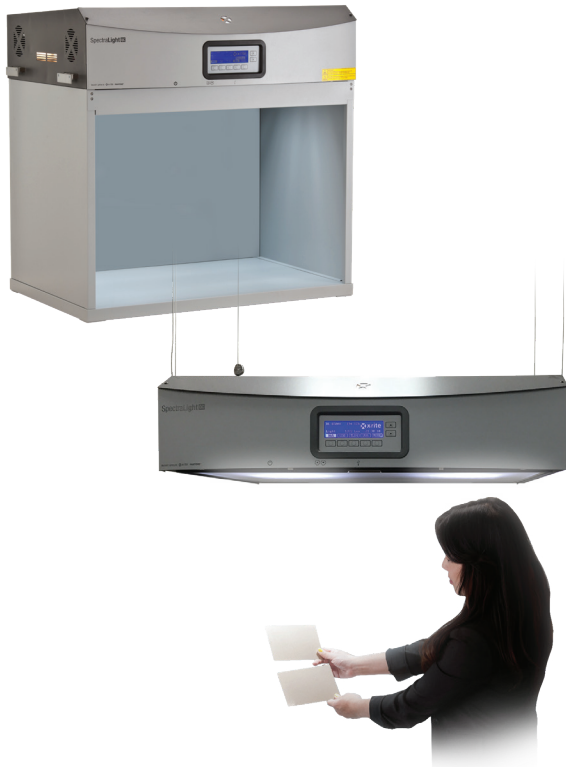
Industry Leading Light Sources for Critical Color Work



A History You Can Trust

X-Rite's long, established reputation for lighting technology began in 1915 with the Macbeth Artificial Lighting Company. Through various mergers and acquisitions, Macbeth light booths live on in X-Rite's standardized lighting technology. With NIST traceability and ISO 17025 accreditation, X-Rite offers worldwide competence in calibration, service, and support to ensure you and your supply chain achieve the highest level of color accuracy.

Lighting Control Throughout the Supply Chain



X-Rite lighting solutions can replicate almost any lighting environment and be customized for any job and production process from design through final delivery.

For designers, standardized lighting can help make color decisions and quick color evaluations. For brand owners and specifiers, standardized lighting is necessary to approve color and build standard operating procedures across the supply chain. For suppliers, standardized lighting is an investment that proves commitment to best practices in visual color assessment. In fact, at any checkpoint where approvals are necessary across the supply chain—at the supplier, the vendor, the sourcing office, all the way up to product design and corporate quality control—X-Rite lighting solutions are recognized as the industry standard for visual color evaluation to reduce human error, standardize conditions for visual assessment, and save time and money across the supply chain.

A Light Booth For Every Need

X-Rite light booths replicate different lighting environments to visually evaluate how color will look when the light changes. Daylight options are D50 (primarily for graphic arts and printing) and D65. Home lighting environments may include LED A or Incandescent A. Ultraviolet light is used to evaluate optical brighteners, fluorescence in materials, and the impact of UV in color appearance. Cool White Fluorescent, TL84, U30, U35, Ultraviolet, and LED all replicate different types of store lighting.



Judge LED

For visual assessment of mid-size or large samples

The Judge LED, available in 2 different sizes (Standard and Plus) offer seven different light sources to meet your specific controlled lighting needs. Choose from LED D50, D65, LED-B2 3000K, LED 3500K, LED-B3 4000K, UV, A, CWF LED, TL84 LED, U30 LED, and U35 LED. With immediate warm-up, precisely calibrated intensity settings, and stable chromaticity, the Judge LED ensures fast and reliable color evaluations for a variety of sample sizes and types.



SpectraLight QC*

For the most critical visual assessment in a global supply chain

The SpectraLight QC offers seven light sources, more than most light booths or luminaires on the market. This includes the best quality daylight (Class A) available, filtered tungsten halogen (D50 or D65), Horizon, UVA, CIE A, two of TL83/TL84/U30/U35, and one of CWF/LED (either L940 or L950).

**Due to government regulations banning fluorescent technology, only LED light sources (3000K, 3500K, 4000K, 5000K) in the SpectraLight QC are available for purchase in the EU.*



Support LED Lighting Requirements

With government regulations banning fluorescent lighting, brands and suppliers will need to transition to LED controlled lighting. Additionally, many retailers are transitioning stores to LED bulbs to reap the benefits of lower maintenance and repair costs, less energy consumption, and longer lifespan. X-Rite LED lamps provide excellent color rendering using the same hybrid technology as the LED-BH1 CIE illuminant to gauge how color may appear in an environment illuminated by a similar LED source.

Hanging Luminaires

For Custom Viewing Scenarios

Create a custom environment tailored for the visual evaluation of large and assembled goods with our versatile hanging luminaires. Whether you choose SpectraLight QC* or Judge LED luminaires, you can configure them in a variety of ways to meet your specific needs and enhance your workspace.



Hanging Luminaires

For visual evaluation of multiple parts or larger items on a visual evaluation table

X-Rite Luminaires can be hung over a visual evaluation table angled at 45-degrees to evaluate product color under different light sources. They are ideal for evaluating raw materials, such as cut-and-sew parts, buttons, zippers, threads, etc. to ensure color harmony before assembly. They can also be used to evaluate a textile color palette during design as well as multiple garments or parts side-by-side to ensure color integrity when the light source changes.



Harmony Room

For visual evaluation of assembled and oversized items

Harmony Rooms are customized fit-and-finish rooms that provide best-in-class daylight simulation viewing conditions for large assembled items such as automobiles, furnishings, and carpets. They feature SpectraLight QC or Judge LED luminaires mounted throughout the ceilings and/or walls for best-in-class daylight simulation. Individual luminaires are also available for installation in any visual evaluation room.

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Conform to International Standards

With ISO 9001 Certification, X-Rite lighting solutions meet quality and applicable regulatory requirements to conform to or exceed all major international standards for visual evaluation of color.

A Holistic Solution **for Visual Evaluation**

By implementing proper procedures for visual evaluation according to best practices, companies can achieve an advantage over competitors while reducing waste, rejects and rework. A holistic solution for color evaluation may include the following components.



Physical References and Standards

Whether custom made or commercially purchased, physical standards can be compared with a produced color under controlled lighting to visually evaluate accuracy.

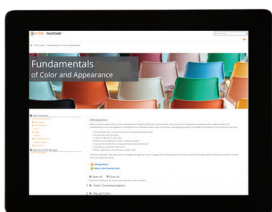
Available as swatches, chips, and sheets, **Pantone** creates references for print and packaging, textiles, plastics, coatings, cosmetics, and more, Pantone references provide a physical guide to communicate and evaluate color.

Based on the Munsell Color System, **Munsell** color standards simulate desired color outcome, including color, texture, finish and even acceptable color deviations. These standards can be purchased for common industrial applications or custom made for specific reference needs.



Farnsworth Munsell Hue Test

Since everyone perceives color differently it is important for anyone involved in color evaluation to understand their visual abilities. A global standard for more than 60 years, the Farnsworth-Munsell 100 (FM100) Hue Test is a highly effective method for evaluating an individual's ability to discern color. The test is easy to administer and must be given under standardized daylight conditions to evaluate and rank color acuity.



Fundamentals of Color and Appearance Training

Visual evaluation is subjective. Available as a seminar, classroom course, on-site workshop, and hands-on eLearning, this course explains the how to visually evaluate color for quality control and assurance professionals, lab technicians, parts suppliers, manufacturing specifiers, and anyone who evaluates or approves color.

A Light Booth For Every Need

SpectraLight QC* Lightbooth & Luminaires

Judge LED Lightbooth & Luminaires

Dimension H x W x D	<p>SPLQC Light Booth: H 37 in x W 37.2 in x D 26.5 in / H 94 cm x W 94.5 cm x D 67 cm</p> <p>SPLQC Luminaires: H 9.4 in x W 37.2 in x D 26.5 in / H 24 cm x W 94.5 cm x D 67 cm</p>	<p>Judge LED Standard: H 21.4 in x W 27.9 in x D 21 in / H 54.5 cm x W 71 cm x D 53.5 cm</p> <p>Judge LED Plus: H 29.9 in x W 51.9 in x D 27.5 in / H 76 cm x W 132 cm x D 70 cm</p> <p>Judge LED Luminaire Harmony Room: H 21 cm x W 71 cm x D 57.5 cm / H 8.27in x W 27.95in x D 22.64in</p>
Viewing H x W x D	<p>SPLQC Light Booth: H 23 in x W 37 in x D 22.5 in / H 58 cm x W 94 cm x D 57 cm</p>	<p>Judge LED Standard: H 15.8 in x W 27.8 in x D 16.9 in / H 40 cm x W 70.5 cm x D 43 cm</p> <p>Judge LED Plus: H 22.5 in x W 51.8 in x D 23.5 in / H 57cm x W 131.5 cm x D 60 cm</p>

Illuminants

Total Light Sources	7	7
Daylight type	Filtered tungsten Halogen	LED
Daylight 5000K	Available - Choice of 1 Daylight Option	LED D50, LED D65
Daylight 6500K		
"Illuminant A" (2856k)	✓	✓
Ultraviolet	✓	✓
Horizon Daylight (2300k)	✓	✓ (luminaires only)
Cool White Fluorescent	Choice of 1 of these light sources: CWF or LED (L830, L835, L840, L850)	Choice of 4: LED-B2 3000K, LED 3500K, LED-B3 4000K, LED UV, LED A, CWF LED, TL84 LED, U30 LED, U35 LED, L31-9 LED, Directional D65 Daylight (Standard Size only)
LED		
TL84		
U30		
U35		

Additional Features

Lamp sequencing	✓	N/A
Remote control	✓	✓
Software	✓	N/A
Recommended hours	2000	LED Lifespan (>8,500hrs) LED Runtime LED Lifetime (>70,000hrs) LED Total Life
Dimming Lux Levels	✓	N/A
Daylight source counter	✓	✓
Service Indicator	✓	✓
Warranty	All X-Rite lighting products are backed by a 12-month warranty.	

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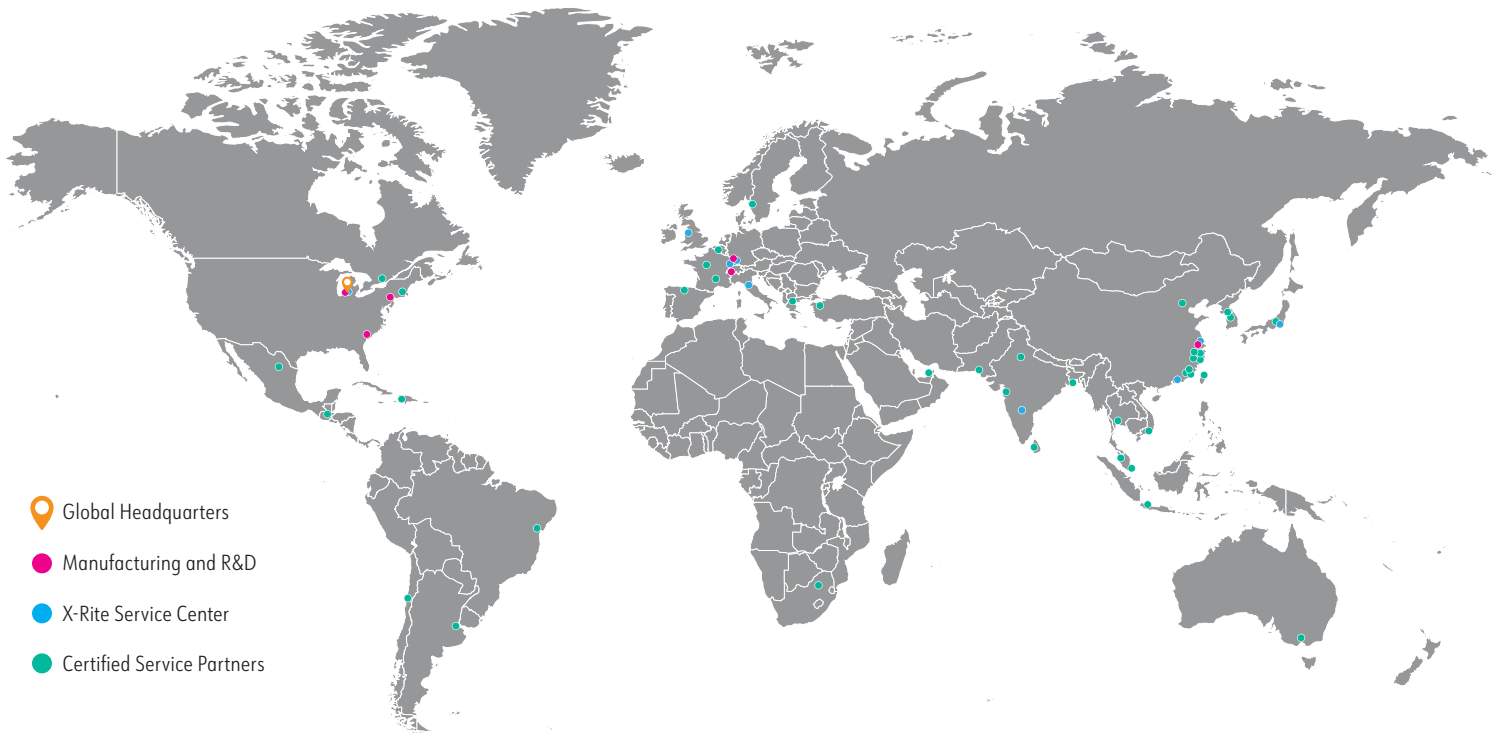
Protect Your Investment with X-Rite Service

Our Service Care Plans are designed to ensure your device is meticulously maintained, guaranteeing its consistent peak performance. By covering repair costs, these plans enable you to forecast maintenance expenses accurately and avoid unexpected costly repairs. X-Rite's Light Booth Field Service Care Plans offer a straightforward and efficient solution to maintaining your lighting system's adherence to its original specifications. With our Field Service, an X-Rite Engineer will promptly visit your location to perform preventative maintenance and certify your equipment.

Leveraging our vast expertise in the field of color, X-Rite Pantone provides a comprehensive range of services, both onsite and online, to support and enhance your business operations. Whether you need standard color services and training, or customized solutions tailored to your specific requirements, we ensure you achieve accurate color every time. For more details about extended support options, please visit www.xrite.com/extended-warranties-services.

Your Global Color Partner

We recognize that great color portrays great quality and know that your success hinges on the consistent and accurate production of this color. With so many places for color to go wrong, it can be hard to know how to get it right. That's where we can help. By blending the art and science of color, we help you achieve the highest level of color integrity so your product – and your customer's product – comes out ahead.



End-To-End Solutions

We provide solutions that span the entire workflow, from design through production, to ensure your color is optimized.

Innovation

Bridging the gap between color and appearance, we are blazing the trail for you to take your color operations to the next level.

Experience

With 60+ years of experience in color manufacturing, our expertise spans a range of industries.

Passion

Inspired by the great color our customers produce, our X-Rite color team provides quality support and training services.

Call **888-800-9580**
or visit www.xrite.com

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X-Rite Lighting Solutions Brochure

xrite.com/categories/light-booths

