

X-Rite Judge QC Light Booth



Lighting the Way to Accurate Color

In manufacturing and quality control across all industries, accurate color is important. When color does not meet specifications, the result is increased cost and time to market, and more rejects and rework. That's why it is important to have good processes in place for visual evaluation of color. One way to improve consistency is by ensuring that color is viewed under the best possible lighting conditions.

For optimum results, samples should be examined using a light booth that offers a variety of lighting conditions to enable you to determine how your color will look in the factory, as well as outside, in a fluorescent-lit store, in a home environment, or wherever else your products will be seen once they enter the world.

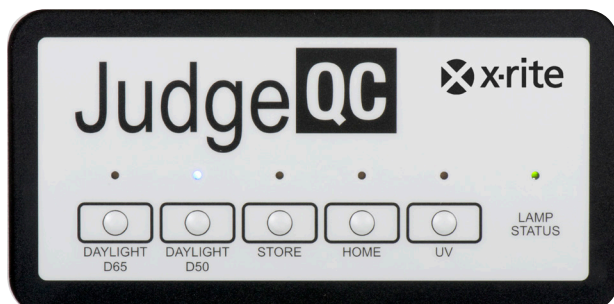
Judging Color Effectively

The X-Rite Judge QC light booth offers an economical and effective way to judge color, anywhere color quality needs to be evaluated, helping you improve quality control operations.

- Achieve better color evaluation of materials and products with consistent lighting.
- Benefit from robust, industrial construction that will serve you for years to come.
- Always know exactly how functional the Judge QC lamps are with its new convenient lamp service indicator.
- Take advantage of multiple options for lamp replacement, designed to be as convenient as possible and ensure maximum up-time.

Color Critical

The Judge QC is ideally suited for visual evaluation of color critical applications. When colors don't match during final product assembly, or from batch to batch or lot to lot, the result is rejection and waste. By making the Judge QC light booth an integral part of your visual evaluation process – in the lab, on the production floor or during quality assurance – you can ensure that customers will be delighted with the color outcome.



Judge QC Panel with lamp service indicator



The Ultimate Judge

X-Rite's brand-new Judge QC is the industry's most cost effective light booth featuring a robust industrial design. Its metal construction with a powder-coated surface is built for longevity. Its five light sources deliver:

- Consistent fluorescent illumination that complies with major international standards such as ISO, ASTM, DIN, ANSI and BSI visual assessment requirements.
- Dedicated D50 light source for print and packaging applications; dedicated D65 light source for industrial applications. Tungsten (A), UV and fluorescent light also included. New Dual Daylight mode enables easy switching between D50 and D65 light sources in situations where operators may need to view samples under both lighting conditions.
- Easy installation of replacement lamps, on your own or by an X-Rite technician.
- Optional pre-certified lamp packs that include a calibration certification.

Consider Metamerism and Optical Brighteners

Metamerism is a phenomenon that occurs when objects match in one light source, but not in another. This commonly occurs when dyes, paints or pigments are changed during production. To check for metamerism, view your samples under a variety of different light sources. The Judge QC light booth includes tungsten (A) lamps, the primary light source used for metamerism comparison.

The Judge QC's UV lamps should be used when samples contain optical brightening agents (OBAs). OBAs are used to achieve a "whiter-than-white" effect on a range of materials, including plastics, paints and coatings and paper. If the lighting condition is not correct, the whites – and any color that gets applied to the material or fabric – will not be consistent and will fail to meet expectations. The Judge QC's UV illumination allows for accurate visual evaluation of OBA-enhanced materials.

X-Rite Judge QC Light Booth

Judge QC Specifications

| | Judge QC | Judge QC (Dual daylight) |
|-----------------------------------|--|--|
| Model | 5 Switch Membrane | 5 Switch Membrane |
| Dimensions (H x W x D) | 21.5 in x 27 in x 21 in / 54.5 cm x 68.5 cm x 53.5 cm | 21.5 in x 27 in x 21 in / 54.5 cm x 68.5 cm x 53.5 cm |
| Viewing Area (H x W x D) | 15 in x 25 in x 18.5 in 38 cm x 63.5 cm x 47 cm | 15 in x 25 in x 18.5 in 38 cm x 63.5 cm x 47 cm |
| Weight | 60 lbs / 27 kg | 60 lbs / 27 kg |
| Electrical | Multi Voltage 100, 115, 127, and 230 | Multi Voltage 100, 115, 127, and 230 |
| Material | Steel | Steel |
| Total Light Sources | 5 | 5 |
| Daylight 5000K | Option 1 | ✓ |
| Daylight 6500K | Option 1 | ✓ |
| "A" Tungsten Halogen (home light) | ✓ | ✓ |
| Cool White Fluorescent | Option 2 | Option 1 |
| Ultraviolet | ✓ | ✓ |
| TL84 | Option 2 | Option 1 |
| U30 | Option 2 | Option 1 |
| U35 Fluorescent | Option 2 | Option 1 |
| Cabinet Color | Munsell N7 | Munsell N7 |
| Switch Panel | Micro Switch with overlay | Micro Switch with overlay |
| Lamp Timer | Daylight source or 12 months | Daylight source or 12 months |
| Recommended hours | 2000 | 2000 |
| Service Indicator | ✓ | ✓ |



D65



D50



STORE



HOME



LAMP VIEW

For Added Convenience ...

X-Rite offers a range of on-site and depot services for your X-Rite light booth. If your light booth needs new lamps, servicing or recertification, simply contact your local X-Rite representative to determine the most convenient approach.

Own an X-Rite Judge II Light Booth?

D50 replacement lamps are now available!

We're happy to work with you to upgrade your Judge II light booth to the newer Judge QC. But if you are not ready to do that, contact us to order replacement D50 lamps for your Judge II light booth.

Pantone 3 Light Booth

Pantone 3 Specifications

| | |
|-----------------------------------|--|
| Model | Pantone 3 |
| Dimensions (H x W x D) | 19.7 in x 27.1 in x 16.5 in / 50 cm x 69 cm x 42 cm |
| Viewing Area (H x W x D) | 13.8 in x 27 in x 15.6 in / 35 cm x 68.5 cm x 39.5 cm |
| Weight | 66.1 lbs / 30Kgs |
| Electrical | Multi Voltage 100, 115, 127, and 230 |
| Material | Aluminum |
| Total Light Sources | 3 |
| Daylight 5000K | Option 1 |
| Daylight 6500K | Option 1 |
| "A" Tungsten Halogen (home light) | ✓ |
| Cool White Fluorescent | Option 2 |
| TL84 | Option 2 |
| U30 | Option 2 |
| U35 Fluorescent | Option 2 |
| Cabinet Color | Munsell N7 |
| Switch Panel | Rocker |
| Lamp Timer | Prime source |
| Recommended hours | 2000 |



DAYLIGHT



STORE



HOME

Quick Guide to light sources:

D50: Noon sky daylight for graphic arts applications.

D65: Average north sky daylight for industrial color management, such as: automotive, consumer electronics, appliances, textile and apparel, home furnishings and others.

Cool White Fluorescent/TL84/U30/U35: Simulates office, in-store, or showroom floor lighting.

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