

APPLICATION BRIEF

# Judge LED Plus: Enabling Collaborative Visual Evaluation

In industries where color accuracy is mission-critical—such as packaging, printing, textiles, and consumer goods—visual evaluation plays a pivotal role in ensuring product quality and brand consistency. However, traditional evaluation methods often fall short when it comes to enabling team collaboration and maintaining standardized lighting conditions. As product development cycles accelerate and cross-functional teams become more involved in quality control, the need for a reliable, collaborative, and efficient visual assessment tool has never been greater.

The Judge LED Plus was designed to meet this demand. By combining advanced LED technology with a spacious, team-friendly layout, it empowers organizations to streamline their visual evaluation process, reduce decision-making time, and improve alignment across departments.



## Challenges

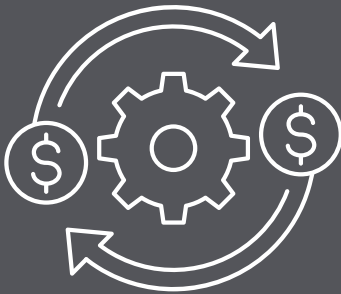
Visual evaluation in color-critical environments often faces several obstacles that hinder collaboration and slow down decision-making:

- Inconsistent lighting conditions can lead to subjective and unreliable visual evaluations.
- Insufficient sized booths make it difficult to evaluate larger samples
- Limited viewing space restricts the number of team members who can participate simultaneously.
- Traditional booths often lack features that support real-time collaboration and group decision-making.
- Delays occur when teams must evaluate samples sequentially rather than together.
- Communication gaps and misalignment can arise when evaluators are not able to view and discuss samples under the same standardized conditions.

## Solution

The Judge LED Plus addresses these challenges with a design focused on team collaboration and workflow efficiency:

- Provides a spacious, uniformly lit environment that accommodates larger goods and multiple evaluators at once.
- Advanced LED technology ensures consistent, standardized lighting for accurate color assessment.
- Enables real-time collaboration by allowing teams to view, compare, and discuss samples together.
- Intuitive controls and preset lighting modes make it easy to switch between conditions and document results efficiently.
- Streamlines the evaluation process, reducing time-to-decision and improving overall workflow alignment.



## Results

- Reduced visual evaluation time through simultaneous team participation.
- Improved decision accuracy by enabling consistent lighting and shared viewing conditions.
- Enhanced collaboration and alignment across departments during color-critical assessments.
- Minimized miscommunication and rework by allowing real-time feedback and consensus.
- Accelerated approval cycles for product development and quality control.



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## Featured Products



### Judge LED

The Judge LED light booth is an eco-friendly accurate visual evaluation solution, available in both Standard and Plus sizes, as well as hanging luminaires.



### Farnsworth-Munsell 100 Hue Test

The Farnsworth Munsell 100 Hue Test is an easy-to-administer test and a highly effective method for evaluating an individual's ability to discern color.



## How it Works

The Judge LED Plus features multiple light sources and ample viewing area, supporting side-by-side comparisons and group discussions. Its intuitive controls and preset lighting modes make it easy for teams to switch between conditions and document results efficiently.

- 1. Install the Judge LED Plus**  
Place the Judge LED Plus on your desk or designated evaluation area, ensuring it is stable and accessible to all team members involved in the visual assessment.
- 2. Ensure Proper Visual Evaluation Attire**  
The colors that evaluators are wearing can impact how the color is perceived. Everyone should have neutral colors, ideally a neutral gray lab coat. Avoid bright colors, patterns or white.
- 3. Conduct a Visual Acuity Test on all Evaluators**  
A visual acuity test like the Farnsworth-Munsell 100 Hue Test measures the sharpness of your vision and is important for detecting eye problems that can impact color evaluation.
- 4. Power On the System**  
Locate the main power switch at the rear of the instrument and turn it on.
- 5. Activate the Luminaire**  
Press the ON/OFF button on the front side of the luminaire. The LED status indicator beneath the button will light up green, signaling that the system is ready for use.
- 6. Select Your Illuminant**  
Choose the desired illuminant by pressing the corresponding button. The Judge LED Plus offers multiple standardized lighting options to simulate various viewing conditions.
- 7. Begin Collaborative Evaluation**  
Gather your team around the spacious viewing area. Multiple evaluators can view and discuss samples simultaneously, ensuring everyone sees the same colors under identical lighting.
- 8. Switch Lighting Sources as Needed**  
Quickly and easily switch between different preset light sources to compare how samples appear under various conditions. This helps teams reach consensus quickly and confidently.
- 9. Document and Share Results**  
Use the intuitive controls to record observations or capture images as needed. Share findings instantly with your team to expedite decision-making and approval processes.

## Ready to transform your visual evaluation process?

The Judge LED Plus empowers teams to collaborate more effectively, make faster decisions, and achieve consistent, high-quality results in color-critical environments. Whether you're streamlining approvals or enhancing accuracy, Judge LED Plus is the solution that brings clarity and speed to your workflow.

For more information, [www.xrite.com](http://www.xrite.com).

