



TQC Sheen Colorbox – LED Illuminated Assessment Cabinets

TQC Sheen LED Color Assessment Cabinets

Create accurate and reproducible LED lighting conditions to inspect and color match a wide range of materials, including paints, inks, plastics, cosmetics, textiles, paper, food, colorants, and more

Versatile LED Lighting

Equipped with an upgraded multi-source LED system designed to assess gloss, metamerism, structure, and surface defects. Includes UV LED for fluorescent optical brighteners and whitening dyes, D65 and D5000 daylight sources for standardized evaluation, and TL84/indoor incandescent options for simulated shop-floor environments.

Professional Design & Accessories

Built for stability and long-term durability, with microprocessor-controlled switching that enables instant, flicker-free transitions between light sources. Each cabinet includes a removable viewing table and individual light tube runtime counters for accurate monitoring. Supports both 110V and 220V power via interchangeable cables.

Accurate & Compliant

Automatically records total cabinet service time and individual lamp group operating hours to signal when replacements are required. Available in both 60 cm and 120 cm wide models. Fully compliant with major visual evaluation standards, including AS, ASTM, BSI, DIN, and ISO requirements such as ISO 3664, ISO 3668, ISO 13076, ISO 23603, AATCC EP9, ASTM D1729, DIN 6173, CIE S025/E, and BS 950 Pt.2.

Easy Operation

Simply plug in, switch on, and select the desired LED light source(s). Multiple lamps can operate at the same time, and the one-touch on/off key makes daily workflows effortless. The cabinet displays both total service time and individual runtime records for each light source (F, TL84, UV).

Expert Support

Industrial Physics provides guidance, decades of expertise, and practical resources to help users achieve reproducible color assessments and consistent inspection results across materials and industries.

Application Scope

Our color assessment cabinets are suitable for precise evaluation of color differences across paints, inks, coatings, textiles, toys, printing and dyeing processes, plastics, pigments, chemicals, ceramics, footwear, leather, food, cosmetics, and many other sectors where reliable and accurate color management is essential.

Features:

- Records total cabinet service time and the operating hours of each light source group.
- Flicker-free, microprocessor-controlled switching between LED, daylight, TL84, incandescent, and UV sources.
- Use multiple light sources at once to compare gloss, metamerism, and surface defects.
- Includes UV illumination for checking fluorescent brighteners and whitening agents.
- Energy-efficient LED daylight options provide stable, consistent color evaluation.
- Available in 60 cm and 120 cm models for different sample sizes.

Technical Specification:

VF0625

Net weight: 24kg

Gross Weight: 36kg

Power Supply: AC110/220V, 50/60Hz

Inner Dimensions: 693 x 550 x 501 mm (L*W*H)

Outer Dimensions: 663 x 492 x 358 mm (L*W*H)

VF1225

Net weight: 60kg

Gross Weight: 86kg

Power Supply: AC110/220V, 50/60Hz

Inner Dimensions: 1318 x 622 x 802 mm (L*W*H)

Outer Dimensions: 1286 x 591 x 590 mm (L*W*H)

*Net weight refers to the cabinet packaged in a standard cardboard carton; gross weight refers to the cabinet packaged in a wooden crate.

Ordering information:

Catalog Number Article Description

VF0625	Colorbox: Net Weight: 24kg & Gross Weight: 36kg.
VF1225	Colorbox: Net Weight: 60kg & Gross Weight: 86kg.

Disclaimer

The information contained in this document is liable to modification from time to time in the light of experience and our policy of continuous product development. Check the Industrial Physics website for the latest version.

Contact Details

web. www.industrialphysics.com

email. info@industrialphysics.com