

TXL-GEN-017 / 27 October 2026 · One-year manufacturer warranty

Colour Viewing Station (Color Proof Station)

Colour evaluation station designed to ensure colour accuracy in the graphics, printing, packaging and textile industries. Fully compliant with ISO 3664:2009, it provides consistent and repeatable colour comparison in pre-press and post-press quality control. Selectable light sources (D50, D65, TL84, UV-A) simulate different lighting conditions; a UV-only mode detects optical brighteners.



Model technical data

1	Overall dimensions (L x W x D): 2270 x 1240 x 1220 mm.
2	Selectable light sources: D50, D65, TL84 and UV-A; a separate UV-A-only operating mode is used for optical brighteners.
3	UV-only mode: UV-A for the detection of optical brighteners.
4	2000 lux illumination in accordance with the ISO standard.
5	Colour rendering index (CRI) Ra ≥ 95.
6	Colour coordinates (10°) D50: x = 0.3478 / y = 0.3595 (≤ 0.002).
7	Keyboard and monitor mounting drawer (custom sizes available on order).

Physical specifications and utilities

Electrical supply	Approx. 220–240 V AC, 50/60 Hz, single phase; build-dependent.
Power / connected load	Approx. 100–300 W connected load for preliminary planning.
Overall instrument dimensions	Overall dimensions (L x W x D): 2270 x 1240 x 1220 mm.
Instrument weight	Approx. 80–150 kg net.
Gross / shipping weight	Approx. 113–212.5 kg gross; estimated packing allowance.
Lab requirements	Level, stable working surface; specimen conditioning follows the selected method.

Dimension order and approximate values are stated in each row. Packaging data are separate from instrument dimensions and net mass. Approx. rows are preliminary engineering estimates based on comparable equipment and function/capacity; they are not verified manufacturing measurements or standard requirements. Installation and shipment are finalised against the approved drawing and nameplate. Estimate scope: base product / one unit; external computer, bench and auxiliary plant excluded.

Specifications, dimensions, and power requirements are approximate and subject to change without prior notice for continuous design improvements.

Product technical specifications and images may vary according to manufacturing conditions and applicable standards.

Test and configuration

Measured output / function	Visual colour comparison under controlled illumination
Parameters selected for the method	Illuminant, viewing geometry and specimen arrangement
Verification points	Spectral distribution, illuminance and lamp service life

Control and recording specification

Method-specific software and recording requirements follow. Delivered software modules are defined by the order scope.

- The need for integrated software depends on the method and selected hardware; manual instruments use an external test record.
- Method code and edition, specimen ID, operator and selected test parameters are linked to the record.
- The calculation and endpoint are defined by the selected method edition; instrument signals and operator assessments are kept distinct.
- Raw measurements, units, valid/invalid test flags and the reported result remain traceable.
- Calculations are checked against known inputs and an independent calculation; sensor channels are checked against calibration values.

Related test methods

ISO 3664

Listed methods are application references. Suitability is established by assessing hardware, method edition and calibration together.

Test parameters for the reviewed method

The values below were reviewed in selected clauses of the stated source edition. They are not a declaration of equivalence to a later edition or independent instrument verification.

ISO 3664:2025 / 4.2.3, 4.2.4, 4.3.2–4.3.3; selected viewing requirements

1	2025: P1/P3 critical comparison 2000 ± 500 lx centrally; every point $\geq 75\%$ of centre for areas ≤ 1 m ² . P2/P4 appraisal 500 ± 125 lx. Separately verify D50 spectral, colour-rendering/metamerism and P3/P4 UV-exclusion requirements; illuminance or colour temperature alone cannot establish conformity.
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