TXL-GEN-019 / 28 October 2026 · One-year manufacturer warranty

D65 LED Tube Lamp (T8, 6500 K)

A T8/G13 LED tube lamp marketed under the D65 designation, providing 6500 K cool-white light. Available in 60, 120 and 150 cm lengths; the 120 cm model is rated at 16 W, 1600 lm and CRI 80. A 6500 K colour temperature alone does not establish CIE D65 spectral conformity; spectral suitability for standard colour assessment and electrical compatibility with the cabinet must be verified separately.



Model technical data

1	Colour temperature: 6500 K; T8 tube, G13 cap. D65 is the commercial product designation and does not replace spectral conformity documentation.
2	Length options: 60 / 120 / 150 cm.
3	120 cm model: 16 W, 1600 lm, CRI 80.
4	Supply: 220–240 V AC, 50/60 Hz; rated current 134 mA; direct mains operation.
5	Size (120 cm): 1214 × 28 × 28 mm; life 15,000 h; 50,000 switching cycles.

Physical specifications and utilities

Electrical supply	Supply: 220–240 V AC, 50/60 Hz; rated current 134 mA; direct mains operation.
Power / connected load	120 cm LED tube: 16 W.
Overall instrument dimensions	Approx. 1200 × 30 × 30 mm (W × D × H).
Instrument weight	Approx. 0.2–0.4 kg net.
Gross / shipping weight	Approx. 0.6–0.9 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

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