



D50 LED Color Viewing Lamps

ISO 3664:2025 Compliance | Accurate Color Viewing | 5000K



GTI's D50 LED lamp technology creates the ideal viewing conditions for compliance to the ISO 3664:2025 viewing standard. Designed for GTI's Graphiclite viewing systems, these D50 LED lamps offer a high Color Rendering Index (CRI) and a tight match to the D50 spectral specification.

New LED Color Viewing Systems

Graphiclite D50 LED lamps are included with all desktop viewers, floor stand models, wall viewing systems, and overhead luminaires.

LED Upgrades to Existing Systems

GTI offers two methods to upgrade to Graphiclite D50 LED technology. The first is to purchase a new luminaire that can easily be installed into your existing 24", 36", 48", or 60" viewing booth.

For 48" and 60" luminaires, the second upgrade path is to purchase an LED upgrade kit. Each kit includes D50 LED lamps, instructions, and any necessary components (lens, lamp holders, etc.) needed to complete the upgrade. The LED lamp will be directly wired to the AC power line, bypassing the ballast. The person doing the upgrade must have knowledge of wiring and be able to understand a wiring diagram.

GTI's LED upgrade options represent the most cost-effective way to transition to LED lamp technology. Contact GTI for pricing.

D50 LED Lamp Features Include:

- Available in 24", 36", 48", and 60" lamp lengths for all Graphiclite viewing solutions
- Retrofittable to existing luminaires
- Conforms to ISO 3664:2025
- EU RoHS compliant
- High Color Rendering Index (Ra>98)
- Environmentally friendly
- High-efficiency, energy-saving LED technology
- 7,500 hours lifetime
- No warm-up time
- Low heat output
- G7, Fogra, PSO, Ugra standards qualified



GTI's D50 LED lamps and luminaires are integral components in Graphiclite color viewing systems.

Common Specifications

Standard Illuminant	CIE D50
Color Temperature	5000K
CRI	≥ 98
Metamerism Index Visible (Mlvis)	≤ .60
Metamerism Index Visible (UV)	≤ .58
Safety Compliance	CE, FCC
Standard Compliance	ISO 3664:2009
Expected Life to ISO 3664 Conformance	7,500 hours
Lamp Input Voltage	100 to 240 VAC 50 to 60 Hz
Dimmable	No
Diameter	1.17"
Cap Base	G13



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Graphiclite® D50 LED Lamps

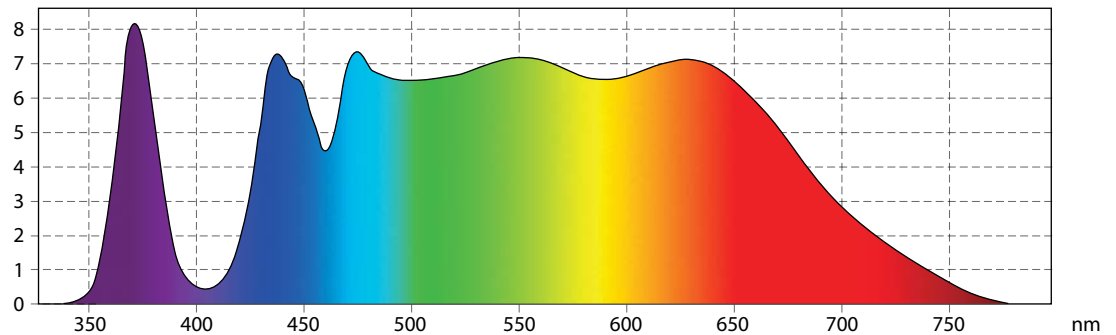
ISO 3664:2025 Color Viewing with LED Efficiency and Economy

Specifications/Part Numbers

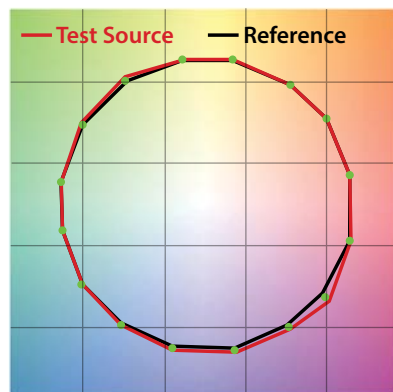
Part Number	Length	CCT (K)	Luminous Flux	Watts
TL24T8/GL50	24" (60.96 cm)	5000	650	10
TL36T8/GL50	36" (91.44 cm)	5000	1100	15
TL48T8/GL50	48" (121.92 cm)	5000	1530	20
TL60T8/GL50	60" (152.40 cm)	5000	1900	26

Spectral Power Distribution

mW/m²/nm

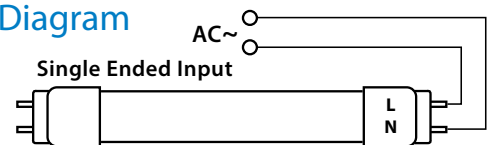


Color Accuracy



ANSI/IES TM-30-20 Color Vector Graphic

Circuit Diagram



GTI D50 LED lamps provide optimal color viewing in any size Graphiclite system.

GTI is a leading manufacturer of tight tolerance lighting systems for critical color viewing, color communication, and color matching. An in-house spectroradiometric laboratory and a 100% measurement and verification production process guarantees that precision and accuracy is built into all products. All products are shipped with a certificate of product conformance (NIST traceable).



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