



Graphiclite® 100 Color Viewing Lamps— Conform to ISO 3664:2025



Graphiclite 100 lamps are manufactured with a unique blend of fluorescent phosphors that is unequalled by any other 5000 Kelvin lamp.

ISO Conformance

GTI Graphiclite 100 fluorescent lamps conform to the ISO 3664:2025 viewing standard and exceed the ISO/CIE 23603 requirements for metamerism indices. As a result, the lamp produces a true full spectrum white light which renders colors with the highest degree of accuracy and efficiency. When used in a GTI viewing system, Graphiclite 100 color viewing lamps produce an actual system Color Rendering Index (CRI) that exceeds 98.

The spectral curve of Graphiclite 100 lamps is even and smooth and delivers a close fit to the CIE standard illuminant D50 curve. This close fit, along with the lamp's output consistency, has helped GTI viewing products lead the world for critical color image viewing.

Verified Accuracy and Consistency

Tight manufacturing tolerances combine with an in-house spectroradiometric laboratory and a 100 percent measurement and verification production process to further assure the accuracy and consistency of Graphiclite 100 color viewing lamps.

Key Advantages:

- ISO 3664:2025 compliant
- Superior to other 5000 Kelvin fluorescent lamps
- Full spectrum daylight
- High CRI (Ra>98)
- Available for all GTI viewing solutions
- Lengths from 18" up to 60" (see product chart on reverse)
- Compatible with other fluorescent fixtures



Verifying conformance with a spectroradiometer.



Graphiclite 100 lamps help GTI viewing systems lead the world in color viewing.



Graphiclite® 100 Lamps: Best Replication of CIE D50

Superior Color Rendition

The spectral power distribution of Graphiclite 100 lamps is the key to their superior rendition of color. While it is important to meet all the ISO 3664 parameters to receive the full benefits of the viewing standard, the most important factor is the spectrum of the light falling on the colored image. The spectral power distributions in Figures 1 and 2 (at right) illustrate how two different fluorescent lamps attempt to recreate the CIE standard illuminant D50 curve spectrum. These two lamps would render color differently from each other as well as from the rendition specified by ISO 3664. The GTI Graphiclite spectrum, Figure 3 at bottom, delivers color accuracy that is superior to any other lamp on market in both the visible and UV regions of the spectrum.

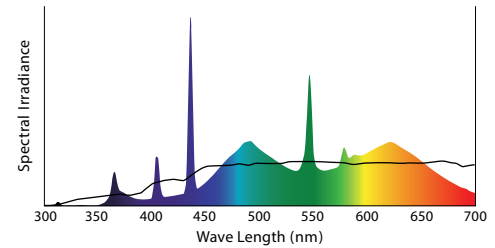


Figure 1. High CRI, 5000K Fluorescent

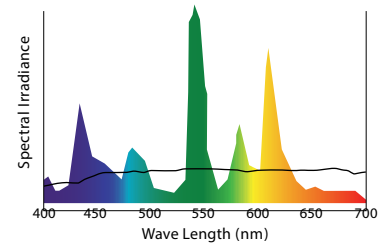


Figure 2. Low CRI, 5000K Fluorescent



Graphiclite 100 lamps are critical components in GTI luminaires.

GTI Graphiclite: The best replication of CIE D50

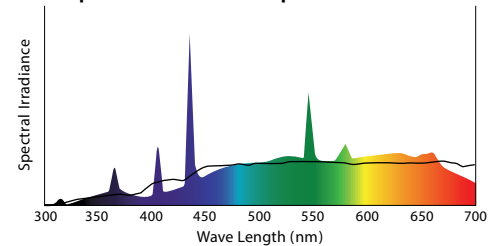


Figure 3. High CRI, 5000K Graphiclite Fluorescent

Graphiclite 100 Color Viewing Lamps

GTI Part Number	Watts	Length	Diameter	Packaging*
F15T8/GL50	15	18" (46 cm)	T8 (1")	8 or 30 per package
F17T8/GL50	17	24" (61 cm)	T8 (1")	8 or 30 per package
F25T8/GL50	25	36" (91 cm)	T8 (1")	8 or 30 per package
F32T8/GL50	32	48" (122 cm)	T8 (1")	8 or 30 per package
F40T8/GL50	40	60" (152 cm)	T8 (1")	8 or 24 per package
F58T8/GL50	58	60" (152 cm)	T8 (1")	8 or 24 per package
F40T12/GL50	40	48" (122 cm)	T12 (1.5")	6 or 30 per package

* Other quantities are available upon request

Graphiclite 100 fluorescent lamps have a life expectancy of 2500 hours (conformance to ISO 3664 and other standards).

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).



graphiclite®



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