



# D65 LED Color Matching Lamps

For Critical Color Matching and Inspection



GTI's D65 LED lamp technology creates the ideal viewing conditions for compliance to the industry viewing standards. Designed for GTI's CMLite color matching systems, these D65 LED lamps offer a high Color Rendering Index (CRI) and a tight match to the CIE D65 spectral specification.

## New LED Color Matching Systems

CMLite D65 LED lamps are included with all table top, floor stand models, overhead luminaires, and color harmony inspection systems.

## LED Upgrades to Existing Systems

GTI offers two methods to upgrade to CMLite D65 LED technology. The first is to purchase a new luminaire that can easily be installed into your existing 18", 24", 36", 48", or 60" wide color matching booth.

The second upgrade path is to purchase an LED upgrade kit. Each kit includes D65 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.

## D65 LED Lamp Features Include:

- Conforms to ASTM D1729, SAE J361, ISO 3668, AATCC Procedure #9, and other industry standards
- GTI's D65 daylight conforms to the requirements of ISO/ CIE international standard ISO 23603:2005(E)/CIE S 012/E:2004, previously known as Publication 51
- Superior to other 6500 Kelvin lamps
- High CRI (Ra>98)
- Full spectrum daylight
- Available in 18", 24", 36", 48", and 60" lamp lengths
- Retrofittable to existing luminaires
- Environmentally friendly
- High-efficiency, energy-saving LED technology
- 7,500 hours lifetime
- No warm-up time
- Low heat output

## Common Specifications

Standard Illuminant	CIE D65
Color Temperature	6500K
CRI	≥ 98
Metamerism Index Visible (Mlvis)	≤ .40(B)
Metamerism Index Visible (UV)	≤ .90(C)
Safety Compliance	CE, FCC
Standard Compliance	<ul style="list-style-type: none"> <li>• ASTM D1729</li> <li>• SAE J361</li> <li>• ISO 3668</li> <li>• AATCC Procedure #9</li> </ul>
Expected Life to ASTM D1729 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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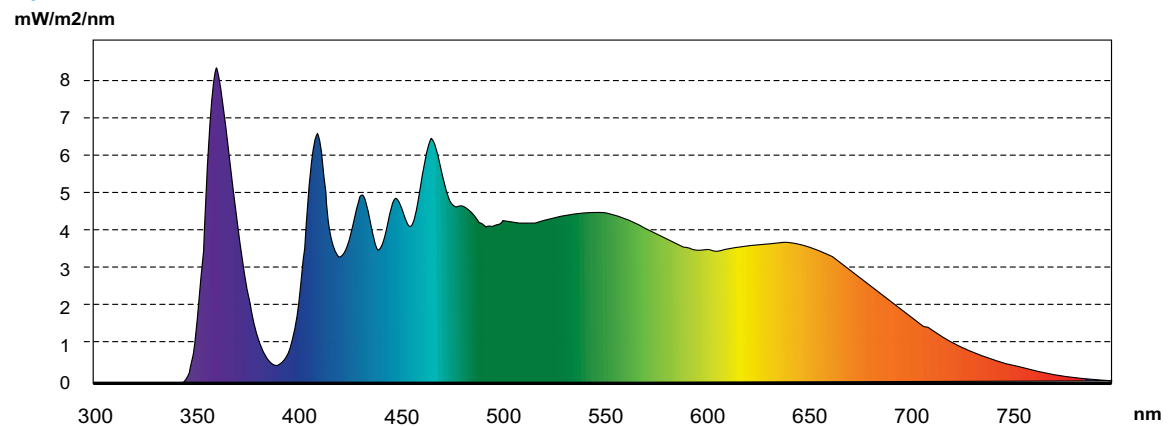


# CMLite D65 LED Lamps

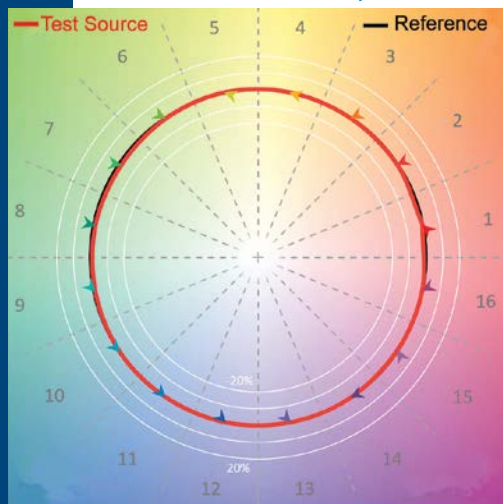
## Specifications/Part Numbers

Part Number	Length	CCT (K)	Luminous Flux	Watts
TL18T8/CM65	18" (45.72 cm)	6500	500	7.5
TL24T8/CM65	24" (60.96 cm)	6500	650	10
TL36T8/CM65	36" (91.44 cm)	6500	1100	15
TL48T8/CM65	48" (121.92 cm)	6500	1500	20
TL60T8/CM65	60" (152.40 cm)	6500	1900	26

## Spectral Power Distribution

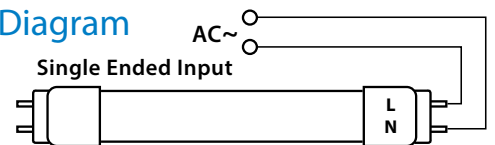


## Color Accuracy



ANSI/IES TM-30-20 Color Vector Graphic

## Circuit Diagram



GTI D65 LED lamps provide optimal color matching and inspection in any size GTI CMLite system, from tabletop to color harmony rooms.

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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