

# GTI ColorMatcher® 6500K Color Matching Lamps

for Critical Color Matching & Inspection

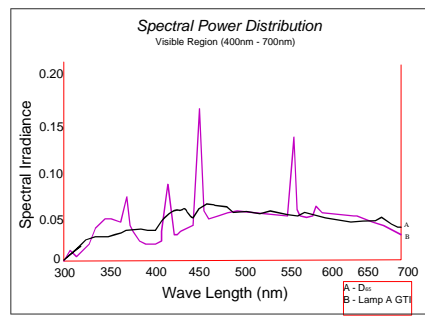


## A word about *emlite*

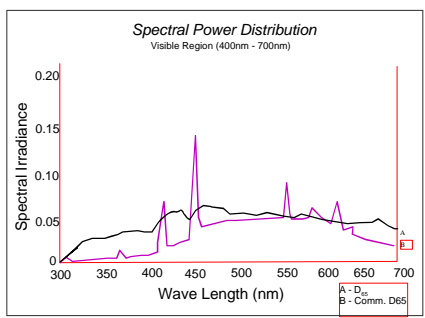
A properly designed color matching system takes into consideration the output and color quality of the lamps as well as the proper surround (Munsell N7), the reflector, and the diffuser. In order to assure excellent color rendition and tight tolerance to industry standards and visual agreement, GTI produces the **GTI ColorMatcher** brand of lamps. These lamps have exceptional color rendering properties and provide consistent and accurate D65 color quality. They not only include energy in the visible spectrum, but also in the near UV area of the spectrum to provide a far more accurate simulation of true daylight to observe the effects of fluorescent brighteners. GTI ColorMatcher D65 lamps are available in a wide range of sizes.

### Better Viewing By Design...

The best color rendition is achieved by having the closest match to the spectral power curve of the industry aimpoint: D65. The graphs below depict the spectral power distribution of two fluorescent 6500K lamps compared with D65. The one on the left, **GTI ColorMatcher**, delivers a much closer match to the D65 curve and, therefore, delivers much greater color fidelity and tighter compliance to the viewing standard.



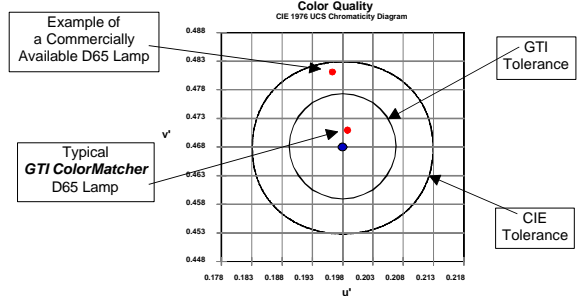
GTI ColorMatcher D65 Lamp



Commercially Available D65 Lamp

### The Right Spectrum Creates the Greatest Accuracy...

CIE Standard 15.2 and Publication 51 specify the aim points and allowable tolerance for simulated daylight sources. The CIE tolerance is a radius of 0.015 from the specified aim point (CIE 1976 chromaticity coordinates of  $u^*=0.1979$  and  $v^*=0.4685$ ). GTI manufactures products to a much higher standard with half the tolerance specified by the CIE, a radius of only 0.0075. Maintaining tight tolerances to the aim point provides a better simulation of daylight and ensures good color communication with a client, within a company, and between locations.



Replacement CMIlite Lamps					
T8 (1" diameter)			T12 (1.5" diameter)		
Model	Watts	Length	Model	Watts	Length
F11T8/CM65	11	15" (38 cm)	F25T8/CM65	25	36" (91 cm)
F15T8/CM65	15	18" (46 cm)	F32T8/CM65	32	48" (122 cm)
F17T8/CM65	17	24" (61 cm)	F40T8/CM65	40	60" (152 cm)
Available in standard packages of 8 or 30. Other quantities available upon request.			Available in standard packages of 6 or 30. Other quantities available upon request.		

