



Technical & Applications Information on the  
Products of GTI Graphic Technology, Inc.

| technote |

## The Value of Maintaining Certificate of Conformance/Compliance to ASTM 1729-96 and CIE Publication 51

A Color Matching Booth is designed to provide controlled and reproducible viewing conditions when samples and products are being evaluated for color correctness and metamerism. It must meet specified requirements for light intensity, simulation of daylight, evenness and surround environment.

Unless all Color Matching Booths provide the same viewing environments, different decisions would be made when samples or products are viewed in different Color Matching Booths. To prevent this, international standards have been created and adopted that apply to both the lighting sources and the actual viewing environment.

Color Matching Booths that are measured and found to conform to ASTM 1729-96 and light sources measured and found to conform to CIE Publication 51 with a rating of B/C or better (A/A is the best, E/E the worst), will provide consistent viewing conditions. Therefore, when samples or products are viewed in different locations, different observers with normal color vision will make the same decisions regarding color and metamerism.

Viewing conditions and lamps can and do change. Periodic audits and certifications insure that Color Matching Booths are still in compliance with agreed-upon international standards for lighting and surround conditions. The Certificate of Conformance/Compliance is assurance that the Color Matching Booth has been tested and found to meet those standards.

GTI Graphic Technology, Inc. offers its customers the LiteSupport program, a paid service that can confirm that their color matching booth is still conforming to ASTM and CIE specifications. An entire audit can also be performed encompassing all of a company's booths. This allows a company to determine how closely each of their various booths are conforming to specifications and if there are any that may be within specifications but outside the grouping of the other booths, another potential cause to color matching problems. Contact GTI or your local representative to learn more about this important service.



**GTI Graphic Technology, Inc.**  
211 Dupont Avenue | Newburgh, NY 12550  
Tel: 845-562-7066 | Fax: 845-562-2543  
sales@gtilite.com | www.gtilite.com