

Lighting Specialists

- Lighting Design
- Lighting Consultation
- Specifications
- Lighting Plans
- Architectural Rendering
- Surveys & Audits
- Energy Analysis
- Upgrade Advice
- Title 24 Documentation
- Custom Fixture Design
- Project Management
- Classes & Seminars



TMT Associates

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Energy

Education

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TMT Associates is a unique lighting consultation and design firm specializing in architectural lighting design, lighting energy efficiency, and education. The principal of the firm, Thomas M. Tolen, LC, has been involved in lighting consultation and energy analysis for 19 years. He has received lighting design awards, has authored several publications on lighting, and is the immediate past Regional Vice President of the South Pacific Coast region of the Illuminating Engineering Society of North America (IESNA).

Design Philosophy

The design philosophy of TMT Associates is based on a unique approach to merging architecture and lighting design to form creative, balanced, and functional environments. We strongly believe that one cannot separate light from architecture, and that the successful projects consider lighting as one of the most

fundamental elements. Careful consultation with the architects, owners, and facility managers determines the functional and aesthetic requirements for lighting the project. We take particular pride in the level of detail we contribute to ensure that the quality of the design is maintained throughout the course of construction.

Lighting Design

TMT Associates' approach to lighting design is to provide high quality, *functional* lighting systems. Our efforts are devoted to creating spaces that harmonize the functional and aesthetic requirements of the space. We focus on the functionality of the lighting systems, and pay close attention to the initial and long-term cost impacts that our decisions represent. We understand the relationship between lighting, architecture, and vision. We strive to provide high quality lighting solutions that emphasize the importance of the tasks at hand, while stimulating visual interest and complementing the character of each space

Lighting Energy Analysis

TMT Associates have extensive experience in the analysis of lighting systems in both existing and proposed buildings. Services we offer include lighting surveys and audits, lighting demand and energy analysis, energy efficiency recommendations, daylighting design and analysis, and lighting control commissioning plans and specifications. In new construction projects, we practice energy conservation and specify high efficiency lighting components. Mr. Tolen is Lighting Certified (LC) by the National Council on Qualifications



for the Lighting Professions (NCQLP) and is an active member of the Sustainable Lighting and Energy Management Committees of IESNA. As a recognized expert in the field of lighting energy efficiency, he has advised the California Energy Commission on changes to the lighting sections of Title 24, and he participated in the revision of ASHRAE/IES Standard 90.1.

Education

TMT Associates have designed lighting education programs and exhibits, taught numerous classes, and led many seminars related to lighting design practice and energy efficiency. Specialty topics include lighting technologies, specification integrity, lighting design applications, and energy-efficient lighting design. Mr. Tolen is the past Education Chair of the Golden Gate Section of IESNA, where he designed an intensive program that included four multi-week courses and six one-day seminars. He has been a featured seminar presenter for PG&E, the American Institute of Architects, the California Energy Commission, SMUD, CABEC, and other prominent groups.