

Dr. Tzipy Dudai-Frank, PhD, CLD, IALD, SEEEI

The Human Experience of Space and Light

Dr. Tzipy Dudai-Frank is an architectural lighting designer, researcher, educator, and the founder and CEO of Studio Light. With more than 35 years of professional experience, she specializes in interior and exterior architectural lighting design for private, public, commercial, hospitality, and luxury residential environments.

At the heart of her professional and academic work lies the relationship between Human, Space, and Light. Her approach considers light not merely as a technical component, but as a fundamental architectural medium that shapes spatial perception, human experience, comfort, wellbeing, atmosphere, orientation, and the identity of the built environment.

Her expertise lies in architectural lighting design and in translating human needs, activities, spatial qualities, materials, and architectural intentions into coherent lighting concepts and practical design solutions. Her work addresses visual comfort, light distribution, color, atmosphere, wellbeing, luminaire selection, and the integration of light within architecture. She collaborates with architects, interior designers, engineers, and electrical professionals to ensure that the lighting concept is accurately coordinated and implemented.

Dr. Tzipy Dudai-Frank has more than 25 years of academic teaching experience in architectural lighting design. She teaches at HIT- Holon Institute of Technology, the Technion - Israel Institute of Technology, and the College of Management Academic Studies. Over the years, she has also taught at Bar-Ilan University's School of Continuing Education and at the Avni Institute of Art and Design.

Her teaching introduces students and professionals to a structured lighting-design methodology that begins with the individual and the activity, examines the character and requirements of the space, and only then proceeds to the development of lighting layers and the selection of appropriate lighting solutions. Through this approach, students learn to understand light as an integral part of architectural thinking rather than as a decorative addition introduced at the end of the design process.

Dr. Tzipy Dudai-Frank also lectures within the professional continuing-education framework of the Society of Electrical, Electronics and Energy Engineers in Israel (SEEEI), where she leads a comprehensive 130-hour Architectural Lighting Design program. The program is intended for architects, engineers, interior designers, licensed electricians, and other professionals who recognize the need to deepen their knowledge and strengthen their professional understanding of architectural lighting. It connects lighting-design methodology with visual comfort, lighting technologies, professional standards, energy awareness, sustainability, and the practical integration of light within architectural projects.

Her doctoral research, conducted at The European Graduate School (EGS), is titled “The Impact of Various Correlated Color Temperatures (CCT) on the Wellbeing of White-Collar Employees.” Her research examines the relationship between artificial light, the workplace, and human wellbeing, expanding the understanding of light beyond visual performance to include its broader influence on human experience.

Dr. Tzipy Dudai-Frank also holds bachelor’s and master’s degrees from the Hebrew University of Jerusalem, with a specialization in Urban Planning. This academic background contributes to her understanding of the built environment across different scales—from the individual’s experience within an interior space to the wider architectural and urban context.

Alongside her professional practice, research, and teaching, Dr. Tzipy Dudai-Frank publishes articles on architectural lighting in professional journals and publications in the fields of electricity, energy, architecture, and design. Her writing has addressed subjects including the relationship between light, emotion, and human experience; developments presented at the international Light + Building exhibition; architectural lighting in the twenty-first century; energy-conscious lighting; and the future of lighting design.

Her articles have appeared in professional publications including *Electricity and Energy*, *Electricity and People*, and *HIT* publications. Through her writing, she contributes to the professional discourse on architectural lighting, technology, sustainability, the built environment, and human wellbeing.

Her work and lighting projects have also been presented in architectural and design publications in Israel and abroad.

In 2005, Dr. Tzipy Dudai-Frank was selected to serve as a jury member in an international design competition for architects and designers. In this capacity, she evaluated outstanding projects in the category of architectural lighting planning and design for buildings.

In 2009, she was selected by the Tel Aviv–Yafo Municipality, from more than one hundred proposals, to illuminate five selected architectural projects as part of the city's centennial celebrations.

In 2015, during the UNESCO International Year of Light, Dr. Tzipy Dudai-Frank curated a national lighting exhibition recognized within the year's official activities. She has also initiated, organized, and participated in professional lighting events, conferences, workshops, and educational programs, promoting dialogue between lighting designers, architects, interior designers, engineers, industry professionals, researchers, and students.

She is a Certified Lighting Designer (CLD), a member of the International Association of Lighting Designers (IALD), an Honorary Fellow of the Society of Electrical, Electronics and Energy Engineers in Israel (SEEEI), and the founder and head of the Israeli Lighting Designers Forum. Through the Forum, she works to strengthen the professional standing of architectural lighting design in Israel, encourage collaboration, and expand the exchange of knowledge between the Israeli and international lighting communities.

Through her professional practice, academic teaching, research, writing, and public leadership, Dr. Tzipy Dudai-Frank advances a comprehensive vision of architectural lighting—one that begins with the human being, responds sensitively to the space, and recognizes our responsibility toward the environment. Her approach promotes thoughtful and sustainable lighting design, energy efficiency, the reduction of unnecessary light, and the responsible use of natural and technological resources—creating environments that support human wellbeing while contributing to a more sustainable future.