Special Issue

Lighting Design for the Built Environment

Message from the Guest Editors

Lighting design for the built environment is a multidisciplinary endeavor that bridges architecture, engineering, and human sciences. It transforms spaces into dynamic, adaptive, and sustainable ecosystems that prioritize occupant needs while addressing broader environmental and societal goals. We invite original research, theoretical and experimental work, case studies, communication, and comprehensive review papers for possible publication:

- Architectural Lighting Design: Enhancing spatial perception, functionality, and aesthetics through strategic lighting design.
- Smart Lighting Design with BIM and Digital Twins: Designing adaptive systems using BIM and digital twins for real-time optimization.
- Human-Centric Lighting Design: Prioritizing well-being by addressing circadian rhythms, productivity, and comfort.
- Sustainable Lighting Design.
- Urban Lighting Design: Designing safe, efficient, and aesthetically pleasing lighting for public spaces and transportation hubs.
- Daylighting Design: Maximizing natural light to reduce energy use and enhance biophilic design.
- Cultural and Heritage Lighting Design.
- Lighting design with artificial intelligence.

Guest Editors

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Dr. Ronald Gibbons

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Deadline for manuscript submissions

20 September 2025

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About the Journal

Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

Editor-in-Chief

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Journal Rank:

JCR - Q2 (Construction and Building Technology) / CiteScore - Q1 (Architecture)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).