

1. Record Nr.	UNINA9910770243703321
Autore	Ozenen Gurkan
Titolo	Architectural Interior Lighting / / by Gurkan Ozenen
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	9783031496950 3031496957
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (120 pages)
Disciplina	720.47 696
Soggetti	Sustainable architecture Interior architecture Power electronics Renewable energy sources Sustainability Sustainable Architecture/Green Buildings Interior Architecture Power Electronics Renewable Energy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Terms Used in Lighting -- Illuminance -- Luminance -- Color Temperature -- Color Rendering Index (CRI) -- Spectral Power Distribution (SPD) -- Flicker -- Glare -- 2: Basic Principles of Lighting -- Lighting Design -- Energy Efficiency -- Sustainability -- Human Factors -- Lighting Controls -- Occupancy Sensors -- Daylight Sensors -- Dimmers -- Timeclocks -- Networked Control Systems -- Lighting Standards and Regulations -- Energy Codes -- Safety Codes -- Accessibility Codes -- Environmental Codes -- Performance Standards -- 3: Lighting Sources Used for Interior Design -- Artificial Lighting Sources -- Halogen Bulbs -- Fluorescent Tubes -- Compact Fluorescent Bulbs -- Light-emitting Diodes (LEDs) -- Use of Artificial Lighting Sources in Interior Design -- General Lighting -- Task Lighting -- Accent Lighting -- Decorative Lighting.

Sommario/riassunto

Architectural Interior Lighting is an essential guide to creating well-lit, visually appealing interior spaces. The book begins with an overview of light and color theory, lighting fundamentals, and design principles. It then covers artificial, natural, decorative, and professional lighting in interior design, as well as standards and regulations, controls and systems, sustainable lighting, energy efficiency, light pollution reduction, and the use of environmentally friendly materials. With a focus on practical applications and real-world examples, this book provides readers with the tools and knowledge necessary to achieve their design goals while considering the latest trends and techniques in the field. A valuable resource for professionals and students in architecture and lighting design, it will also appeal to anyone interested in creating visually stunning and functional interior spaces. Covers lighting fundamentals and advanced lighting design principles ; Includes clear explanations of technical terms and concepts and case studies of lighting design projects; Provides practical guidance on lighting sources, controls, and systems for sustainable lighting design.
