



METADATA

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Abstract

The book "Lighting Design: Theory and Practice" is a guide to a deep understanding and application of the physics, art and applications of lighting in the built environment. In today's world, lighting not only serves basic lighting needs, but is a key element in creating environments that affect the human experience and sense of place. From the illumination of a home to a custom lighting installation in a museum or a professional office, lighting plays a critical role in influencing not only our perception, but also the biological processes of human physiology. Lighting design is a special blend of technology and creative expression that can transform the indoor/outdoor environment of buildings, having a significant impact on people's mood and well-being. An effort has been made

to cover all current design trends (e.g. human-centred lighting), but at the same time to emphasise the importance of lighting solutions that are environmentally friendly and of course energy efficient. The structure of this book consists of seven chapters, covering the range of knowledge and skills required to understand and practically apply lighting rules for design in a wide range of situations. Each chapter is accompanied by supporting information (summary, prerequisite knowledge, expected learning outcomes, key concepts). At the end of each chapter there are assessment criteria which are self-assessment questions on the topics covered in each chapter and their solutions provide the information for understanding the material and developing skills in lighting design.

