Lighting Design: A Perception-Based Approach

Christopher Cuttle
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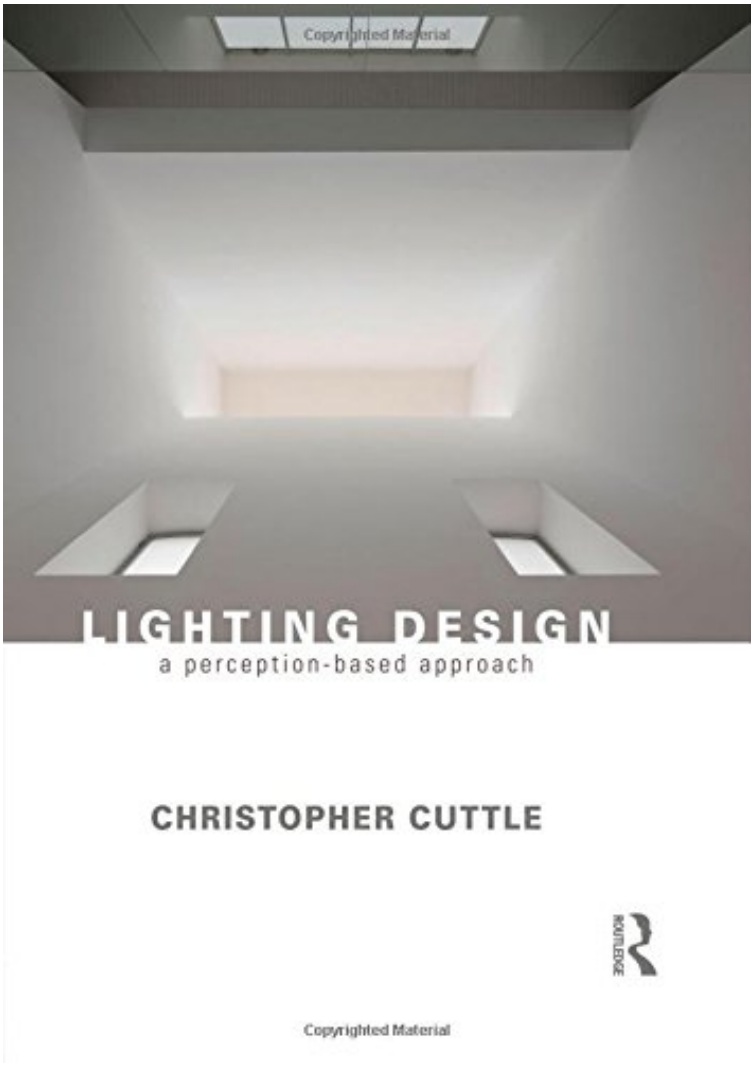

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Christopher Cuttle : Lighting Design: A Perception-Based Approach before purchasing it in order to gage whether or not it would be worth my time, and all praised Lighting Design: A Perception-Based Approach:

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By reading this book, you will develop the skills to perceive a space and its contents in light, and be able to devise a

layout of luminaires that will provide that lit appearance. Written by renowned lighting expert Christopher (Kit) Cuttle, the book: explains the difference between vision and perception, which is the distinction between providing lighting to make things visible, and providing it to influence the appearance of everything that is visible; demonstrates how lighting patterns generated by three-dimensional objects interacting with directional lighting are strongly influential upon how the visual perception process enables us to recognize object attributes, such as lightness, colourfulness, texture and gloss; reveals how a designer who understands the role of these lighting patterns in the perceptual process may employ them either to reveal, or to subdue, or to enhance the appearance of selected object attributes by creating appropriate spatial distributions of light; carefully explains calculational techniques and provides easy-to-use spreadsheets, so that layouts of lamps and luminaires are derived that can be relied upon to achieve the required illumination distributions. Practical lighting design involves devising three-dimensional light fields that create luminous hierarchies related to the visual significance of each element within a scene. By providing you with everything you need to develop a design concept - from the understanding of how lighting influences human perceptions of surroundings, through to engineering efficient and effective lighting solutions Kit Cuttle instills in his readers a new-found confidence in lighting design.

"A breath taking tour de force" - The International Journal of Lighting Research and Technology "This book provides an excellent addition to the lighting design library." - Professional Lighting Design Magazine "Anyone looking for a practical guide to architectural lighting will do well to purchase a copy of this book." - Lighting Sound Magazine "This is an extremely interesting book, written in a pleasing style. It makes an outstanding contribution to the subject." - Robert Bean, author of Lighting Engineering "This book is aimed at architects, lighting designers and building services engineers with a passion for lighting. There is a lot of good stuff on visual perception" - Lighting Equipment News "a great read... will be invaluable to serious lighting students and lighting designers."Professor Warren Julian in 'Lighting' journal (IESANZ) provides a very comprehensive overview of key lighting related topics including vision, characAbout the AuthorChristopher Cuttle, MA, FCIBSE, FIESANZ, FIESNA, FSLL, is a lighting designer, educator, and author who lives in New Zealand. He gained broad experience of lighting in the UK before taking up academic positions in New Zealand (Senior Lecturer in schools of architecture in Wellington and Auckland) and in the USA (Head of Graduate Education in Lighting at the Lighting Research Center, Rensselaer Polytechnic Institute, New York). His books Lighting by Design (2003, 2nd edition 2008), and Light for Arts Sake (2007), are both published by Routledge.