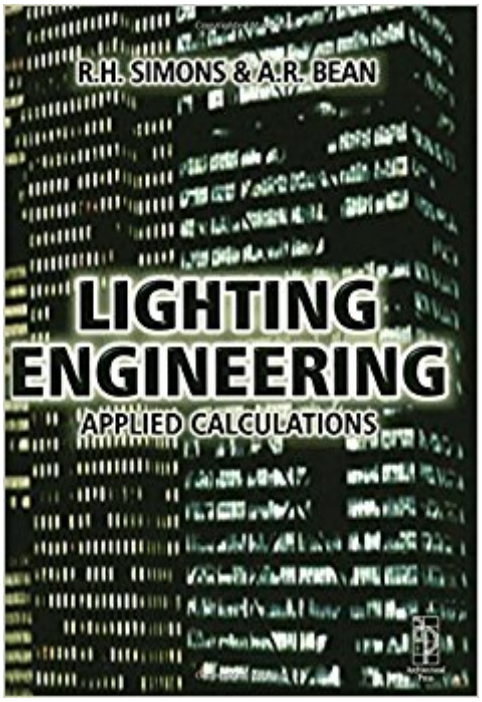
Lighting Engineering: Applied Calculations



Synopsis

’Lighting Engineering: Applied Calculations’ describes the mathematical background to the calculation techniques used in lighting engineering and links them to the applications with which they are used. The fundamentals of flux and illuminance, colour, measurement and optical design are covered in detail. There are detailed discussions of specific applications, including interior lighting, road lighting, tunnel lighting, floodlighting and emergency lighting. The authors have used their years of experience to provide guidance for common mistakes and useful techniques including worked examples and case studies.The last decade has seen the universal application of personal computers to lighting engineering on a day-to-day basis. Many calculations that were previously impracticable are therefore now easily accessible to any engineer or designer who has access to an appropriate computer program. However, a grasp of the underlying calculation principles is still necessary in order to utilise these technologies to the full. Written by two of the leading authorities on this subject, ’Lighting Engineering’ is essential reading for practising lighting engineers, designers and architects, and students in the field of lighting.

Book Information

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Customer Reviews

’This is an excellent text ... the authors’ treatment of the topics is excellent’Professor Christopher Cuttle, University of Auckland, New Zealand’The book is over 500 pages in length, well written, well presented and produced with good diagrams and many worked examples. It is considered that this

book will become the oft-consulted reference work for progressive engineers and designers in addition to students of the subject."E Rowlands in Lighting Research and Technology"For all those of you for whom lighting calculations are a bit of a chore - or who want to learn more about them - Lighting Engineering is a must...suitable for everyone from professional lighting engineers and designers, through to students of lighting and architecture, this is a big book that belongs on all our shelves."The Lighting Journal'The combination of the authors' mathematical analytical approach with their practical experience makes this a magnificent book, in which one can read the authors' love for their subject. The reviewer not only recommends this book but also makes a strong plea for it to be kept up-to-date over the next forty years.'Newsletter of the Society of Light and Lighting

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I had seen this book in a store and only had a brief time to skim through, but that was enough to convince me to buy the book! The content is excellent; if a little intimidating at first. Scratch a little deeper and you find a comprehensive reference document that gets down and dirty with its subject.Have to admit I'm still dipping in and out of the book at the moment; but if you want to have a deeper understanding of fundamental concepts in lighting calculations this is your book.

Technician’s Handbook: Film Lighting Equipment, Practice, and Electrical Distribution Media Servers for Lighting Programmers: A Comprehensive Guide to Working with Digital Lighting Photography Lighting: Ultimate Guide To Home Studio Photography Lighting! Lighting for Cinematography: A Practical Guide to the Art and Craft of Lighting for the Moving Image (The CineTech Guides to the Film Crafts) Picture Perfect Lighting: An Innovative Lighting System for Photographing People Kevin KubotaÃ s Lighting Notebook: 101 Lighting Styles and Setups for Digital Photographers Photography: Photography Lighting: Top 10 Must-Know Photography Lighting Facts to Shoot Like a Pro in Your Home Studio The Landscape Lighting Guide: A complete guide to building a low voltage LED landscape lighting business LED Lighting: A Primer to Lighting the Future Hydroponics for Beginners. How to Grow Hydroponics at Home: Light for Hydroponics, Special Lighting Lamps for Rapid Growth, Classification and Calculation of Lighting Garden Lighting: Contemporary Exterior Lighting The Lighting Art: The Aesthetics of Stage Lighting Design (2nd Edition)