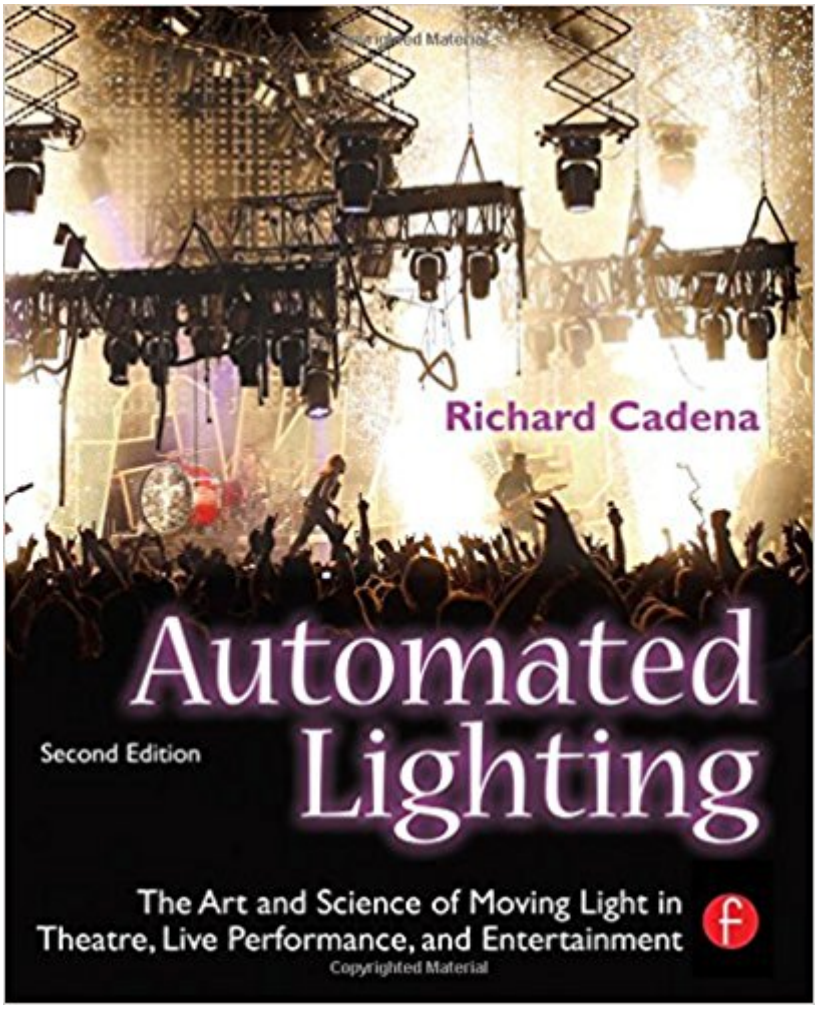
Automated Lighting: The Art And Science Of Moving Light In Theatre, Live Performance, And Entertainment



Synopsis

Automated Lighting: The Art and Science of Moving Light in Theatre, Live Performance and Entertainment continues to be the most trusted text for working and aspiring lighting professionals. Now in its second edition, it has been fully updated to include new advances in lamp sources such as LEDs and plasma lamps, automated and programmable displays, updates for managing color, and new methods for using electronics. Its clear, easy-to-understand language also includes enough detailed information for the most experienced technician and engineer.

Book Information

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Customer Reviews

This is a beautifully produced book that includes a lot of clear, informative photos and graphs, and that covers a wide range of topics associated with the field of stage lighting. However, it doesn't live up to its subtitle, "The Art and Science of Moving Light..." This book is actually almost all science and very little "Art."The author doesn't even broach the subject of lighting esthetics until Page 357, which starts a brief section including advice on such subjects as how to sculpt figures on stage with side and back lighting, how to make them stand out in 3-D, how to give the stage a central point of focus, and what colors provide maximum contrast. But even these few pages of basic artistic counsel soon plummet you back into some highly technical science. There are lengthy, complicated equations on how to calculate "illuminance," trim height, and throw distance. And you'll run afoul of sentences such as, "A `cosine distribution' or `mixing distribution' has a peaked beam profile, which, where overlapped at the 50% drop-off with a like fixture, produces the most uniform wash between

the beams."So many branches of science and so many fields of technology come into play in the job of stage lighting. This book attempts to give you a marathon run through each of these fields, and it’s just too much to encompass in one text.So, for example, the author attempts to present you with a whole course in electricity and electronics. He starts off on a basic level, giving the fundamentals of voltage, ohms, and amps. (Although even here, his explanation of the already universally perplexing subject of what convention to apply when trying to determine the direction of electron flow is made even more baffling than usual.

I have a background in electrical engineering and I found this book to be quite informative and entertaining. Of course, it’s going to take a special someone to really enjoy learning about the difference between lamp technologies and power supplies, and if you’re that kind of person, I think it’s hard to go wrong with Automated Lighting: The Art and Science of Moving Light in Theatre, Live Performance, and Entertainment.The book is very text-book like and is organized into nine sections. Section 1 provides the necessary background information and starts to introduce the various components of an automated lighting system. Section 2 provides an electricity physics overview and introduces electronic components. Section 3 gets into the detailed functional properties of motors, sensors, and commonly used materials. Section 4 describes the functional properties of different lamp technologies and how to manipulate light using lenses, reflectors, filters, etc. Section 5 talks about the different networking protocols and remote management methods used in the profession. The meat of the book is in the first five sections, and the remaining 4 sections: Maintenance and Troubleshooting, Convergence of Lighting and Video, Lighting Design with Automated Luminaries, and Automated Lighting Programming, should be considered to be introductory as they lack the depth of the previous 5 sections.In the end, I think this book is good for those who have an interest what goes into an automated lighting system or those who have an interest in lighting technologies and the theory of stage lighting. The book doesn’t exactly talk about where to put lights to achieve a particular effect.

The Fundamentals of Theatre Lighting Design The Automated Lighting Programmer's Handbook The Art of Light on Stage: Lighting in Contemporary Theatre Law and Business of the Entertainment Industries, 5th Edition (Law & Business of the Entertainment Industries) Day Light, Night Light: Where Light Comes From (Let's-Read-and-Find-Out Science 2) Applied Drama: The Gift of Theatre (Theatre and Performance Practices) Vectorworks for Entertainment Design: Using Vectorworks to Design and Document Scenery, Lighting, and Sound The Lighting Art: The Aesthetics of Stage Lighting Design (2nd Edition) American Puppet Modernism: Essays on the Material World in Performance (Palgrave Studies in Theatre and Performance History) Automated Reasoning with Analytic Tableaux and Related Methods: 16th International Conference, TABLEAUX 2007, Aix en Provence, France, July 3-6, 2007, Proceedings (Lecture Notes in Computer Science) The Event Safety Guide: A Guide to Health, Safety and Welfare at Live Entertainment Events in the United States Show Networks and Control Systems: Formerly "Control Systems for Live Entertainment" Light: Science and Magic: An Introduction to Photographic Lighting Light Science & Magic: An Introduction to Photographic Lighting Lighting Retrofit and Relighting: A Guide to Energy Efficient Lighting Set Lighting Technician's Handbook: Film Lighting Equipment, Practice, and Electrical Distribution