



Automated Lighting: The Art and Science of Moving Light in Theatre, Live Performance, Broadcast, and Entertainment

Richard Cadena

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"Automated Lighting-Technology, Applications, and Design" is a comprehensive text covering everything you will need to know as a working or aspiring lighting professional about automated lighting fixtures, systems, how they are used and design issues you will face. It is written in clear, easy-to-understand language but includes enough detailed information that the most experienced technician and engineer will appreciate and benefit from reading. Subjects covered include the history of automated lighting, DC and AC electricity, basic electronics, power supplies, digital electronics, electro-mechanical systems, optical systems (including dichroic filters, reflectors, lenses, and more), lamp technology, lighting effects (including color mixing, glass gobos, and more), data distribution systems, DMX, RDM, and ACN. State-of-the-art automated lighting fixtures in various applications including theatre, television, concert/touring, and permanent installations are discussed and special design issues are addressed.

The text is amply illustrated with drawings and pictures. The newest technology in automated lighting--"digital" lighting or pixel-based automated lighting projection--is also covered in detail. This book is the antithesis of a reference manual or user manual. It is entertaining and educational with lots of graphic illustrations and easy-to-understand concepts. It's the most fun you can have without sitting behind a console.

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