



Set Lighting Technician's Handbook: Film Lighting Equipment, Practice, and Electrical Distribution

By Harry Box

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Comprehensive. Detailed. Practical. *Set Lighting Technician's Handbook, Fourth Edition*, is a friendly, hands-on manual covering the day-to-day practices, equipment, and tricks of the trade essential to anyone doing motion picture lighting, including the lamp operator, rigging crew, gaffer, best boy, or director of photography. This handbook offers a wealth of practical technical information, useful techniques, as well as aesthetic discussions.

The *Set Lighting Technician's Handbook* focuses on what is important when working on-set: trouble-shooting, teamwork, set protocol, and safety. It describes tricks and techniques for operating a vast array of lighting equipment including LEDs, xenons, camera synchronous strobes, black lights, underwater units, lighting effects units, and many others. Since its first edition, this handy on-set reference continues to be widely adopted as a training and reference manual by union training programs as well as top university film production programs.

New to the fourth edition:

- * More coverage of the aesthetics of lighting
- * Detailed information on LED technology and gear
- * Material is harmonized with industry safety and skills training curriculum
- * More coverage than ever before about setting up and running DMX512 networks and DMX512 enabled devices, including wireless DMX512 networks
- * Completely revised and updated sections of HMIs, tungsten light fixtures, and fluorescent technologies
- * Additional information on dealing with current harmonics, working with portable generators.
- * New section on using 480V power
- * In addition to previsualization software, new material provides a primer on creating professional light plots and using computer aided design software
- * New additions to the arsenal of electrical distribution equipment that make our sets safer and easier to power

- * More rigging tricks and techniques
- * Written in the same friendly, easy-to-read style that has made this book so popular
- * Companion Web site contains exclusive articles written by the author, illustrations, and an indispensable resource center with key industry links. Please visit

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Editorial Review

Review

"Harry Box's *Set Lighting Technician's Handbook* (Focal Press) is a gold mine of information about safety, lighting and studio procedures." - Ron Dexter, ASC

From the Back Cover

"Harry has taken the mystery out of set lighting for the beginner or pro. Current and includes the most up-to-date tricks of the trade. A book written by a pro who loves and respects his craft and is selfless in sharing information." Mike G. Moyer, gaffer, *Steel Magnolias*, *In the Line of Fire*, *Ground Hog Day*

"Box's style is reminiscent of an old buddy showing his best friend the ropes& perhaps the most easily read technical handbook to date& the broadest in scope and coverage, yet carefully covers the essential details." Seth Greenspan, *Filmcrew Magazine*

The Set Lighting Technician's Handbook is a friendly, hands-on manual covering lighting and rigging equipment, day-to-day practices and tricks of the trade essential to anyone doing motion picture lighting. The book delves into every aspect of lighting: from lighting design decisions to set protocol and teamwork; from rigging safety to equipment troubleshooting; from basic electricity to advanced electrical systems planning. Whether you're a lamp operator, best boy, rigger, gaffer, or director of photography, this trusted, long time industry favorite covers what's important on set.

New to the expanded Fourth Edition:

* Expanded coverage of LED lights, lighting control networks, computer applications in lighting, advanced automated and digital lighting devices, creating effects with ellipsoidal spotlights, wet locations and GFCI protection, rigging, dimmer systems, modern battery technology, small generators and much more

*Reflects all the current industry safety standards, guidelines, practices, and codes

*Companion website offers exclusive content, including tables, illustrations, articles, historical information, and more. Please see <http://booksite.focalpress.com/box/setlighting>

Harry C. Box has worked in television and motion picture production since 1989. Over the years he has done substantial work as a lighting technician, gaffer, camera operator, director of photography, and as an educator. His recent credits include network and cable television series, such as *Heroes* (NBC), *Brothers and Sisters* (ABC), and *Everybody Hates Chris* (CW). He has worked on major motion pictures, independent feature films, telefilms, documentaries, music videos, commercials, and industrials.

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