



Brilliant LED Projects: 20 Electronic Designs for Artists, Hobbyists, and Experimenters (Electronics)

By Nick Dossis

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LET YOUR CREATIVE SIDE SHINE WITH THE COMPLETE DIY GUIDE TO MAKING EXCITING LED DEVICES

Brilliant LED Projects presents 20 hands-on, step-by-step projects for you to make using inexpensive, commonly available components. Projects range from simple, functional devices, such as a "green" LED flashlight and a flashing rear bike light, to more complex designs, including color-changing disco lights and persistence-of-vision (POV) gadgets--all featuring easy-to-follow instructions, highlighted with detailed illustrations.

Build with confidence using this book's expert guidance and practical information, including overviews of various LED components, comprehensive listings of tool and supplies, sample clock and driver circuit building blocks, and more. A companion website gives you access to exclusive content, including downloadable assembly codes and programming codes (for the projects powered by the PIC 16F628 microcontroller). Plus, every chapter spotlights key concepts and techniques that make it easy and enjoyable for you to produce eye-catching LED displays.

- Great for first-timers and expert hobbyists alike
- All projects can be built with stripboard--no need to translate complicated schematics, or purchase special PCBs
- Includes extensive guidelines for safe assembly
- Learn the basic principles of every project component--from LEDs to dot-matrix displays and various integrated circuits
- Create your own designs using building blocks and assembly techniques from the book's projects



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Editorial Review

About the Author

Nick Dossis holds a Higher National Certificate in Electronic/Electrical Engineering. He is the author of several articles published in *Everyday Practical Electronics (EPE)* magazine, a popular monthly publication for electronic hobbyists. Nick has been playing around with electronics for most of his life, originally encouraged by his grandfather who bought him his first crystal radio set when he was six. He continues to design electronic circuits and projects in his spare time.

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