



## Brilliant LED Projects: 20 Electronic Designs for Artists, Hobbyists, and Experimenters: 20 Electronic Designs for Artists, Hobbyists, and Experimenters

By Nick Dossis

McGraw-Hill Education - Europe. Paperback. Book Condition: new. BRAND NEW, Brilliant LED Projects: 20 Electronic Designs for Artists, Hobbyists, and Experimenters: 20 Electronic Designs for Artists, Hobbyists, and Experimenters, Nick Dossis, A unique DIY guide to creating visually exciting LED displays using a variety of electronic circuits Brilliant LED Projects reveals how to build inventive, affordable, and impressive LED projects using a selection of components that includes single-color LEDs, bi-color and tri-color LEDs, RGB LEDs, 7-segment displays, dot matrix displays, and IR LEDs. Projects include: Emergency LED torch Rear bike light Color-changing disco lights Glove lights Persistence-of-vision (POV) projects, such as a digital oscilloscope screen, a rain emulator, and an LED clock The projects use a variety of digital integrated circuits to achieve the desired results. You'll learn to work with CMOS 4000-range ICs, 555 timers, bargraph drivers, and the 16F628 PIC microcontroller. This hands-on guide opens with a clear explanation of the book's intentions, the tools needed, and the basic concepts. It includes an overview of the various LED components, example clock and driver circuit building blocks, illumination and flashing LED projects, sequencers (strings of flashing LEDs), and multiplexers. Every chapter illuminates important concepts and techniques that produce fascinating...



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### Reviews

*An extremely awesome publication with lucid and perfect explanations. It is actually written in basic phrases rather than confusing. You will like how the writer publishes this book.*

-- **Melody Jakubowski**

*This is the best book I have read until now. It can be filled with knowledge and wisdom. Once you begin to read the book, it is extremely difficult to leave it before concluding.*

-- **Nadia Konopelski**