



# Sun, Wind, and Light: Architectural Design Strategies

By Mark DeKay, G. Z. Brown

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**Sun, Wind, and Light: Architectural Design Strategies** By Mark DeKay, G. Z. Brown

An updated guide to designing buildings that heat with the sun, cool with the wind, and light with the sky.

This fully updated *Third Edition* covers principles of designing buildings that use the sun for heating, wind for cooling, and daylight for natural lighting. With 432 printed pages and a 450-page electronic book, supplemented with Digital Extras, this package supplies the preliminary design tools and strategies for achieving Architecture 2030® carbon-neutral performance targets. Using hundreds of illustrations, this book offers practical strategies that give the designer the tools they need to make energy efficient buildings.

- Hundreds of illustrations and practical strategies give the designer the tools they need to make energy efficient buildings.
- Organized to quickly guide the designer in making buildings respond to the sun, wind and light.

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## Sun, Wind, and Light: Architectural Design Strategies By Mark DeKay, G. Z. Brown Bibliography

- Sales Rank: #452795 in Books
- Brand: Wiley
- Published on: 2014-02-03
- Original language: English
- Number of items: 1
- Dimensions: 8.40" h x 1.40" w x 9.75" l, 2.02 pounds
- Binding: Spiral-bound
- 432 pages

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### Editorial Review

#### Review

Books about sustainability come in different shapes and sizes: some theoretical, some practical, some a pleasure to look at, some just factual. This one is an intriguing mix of all these...

--Architectural Review (UK) Adam Voelker

a comprehensive document and despite much further reading I have yet to find a strategy elsewhere not mentioned in this book. --Amazon UK

Charged to select three books for people interested in teaching themselves ... architecture, ... I would choose *Sun, Wind & Light* to teach the processes architects should use. ...an inspirational book.

--SBSE News

This book is an obvious choice as a textbook on climate-responsive design, but it should also serve as a valuable reference for anyone designing buildings with climate in mind. --Environmental Building News

Great book to study for sustainable architecture. Gives details on how to design for particular climates and regions. Filled with helpful charts and graphs to decipher for seasons and times of the day according to each climate. --Alibris

"No architect should neglect to follow the advice that it gives." (Center for Education in the Built Environment, August 2002)

#### From the Publisher

A text for architectural design studio courses, geared to inspire design ideas and to help students understand the energy consequence of design decisions. Concentrates on the analysis of sun, wind, and light resources of a particular site and climate. Also offers design strategies organized by building groups, buildings and building parts, and provides strategies for supplementing passive systems. Includes over 200 beautifully rendered architectural illustrations.

#### From the Back Cover

Design net-zero energy buildings that heat and power with the sun, cool with the wind, and light with the sky

- The updated sustainable design classic
- Doubled content
- Focused on designing for Architecture 2030® carbon-neutral performance targets
- Tools to connect related strategies.

#### Part I-VII: 400-page printed book

- Multiple aids for navigation
- A new knowledge structure for net-zero design
- 7 synergies and 9 strategy bundles
- 6 high-performance buildings assessments
- Condensed versions of favorite strategies and tools

Part VIII-IX: 450-page electronic book (free download)

- Searchable PDF documents
- Over 100 preliminary design strategies
- 29 design analysis techniques

Digital Extras (free download)

- The SWL Tools spreadsheet for net-zero design (62 pages)
- Climate Calendar data spreadsheets for the U.S. (28 cities)
- 700 pages of Climatic Context reports for U.S. climate regions

## **Users Review**

**From reader reviews:**

### **Quincy Eddy:**

This book untitled Sun, Wind, and Light: Architectural Design Strategies to be one of several books that best seller in this year, that is because when you read this book you can get a lot of benefit onto it. You will easily to buy this specific book in the book shop or you can order it by way of online. The publisher of this book sells the e-book too. It makes you more readily to read this book, since you can read this book in your Smart phone. So there is no reason for your requirements to past this e-book from your list.

### **Richard Redd:**

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### **Joseph Griego:**

The book Sun, Wind, and Light: Architectural Design Strategies has a lot info on it. So when you check out this book you can get a lot of advantage. The book was authored by the very famous author. The author makes some research ahead of write this book. This kind of book very easy to read you may get the point easily after reading this article book.

### **Colton Fierros:**

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known as of book Sun, Wind, and Light: Architectural Design Strategies. You can contribute your knowledge by it. Without causing the printed book, it may add your knowledge and make anyone happier to read. It is most crucial that, you must aware about reserve. It can bring you from one spot to other place.

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