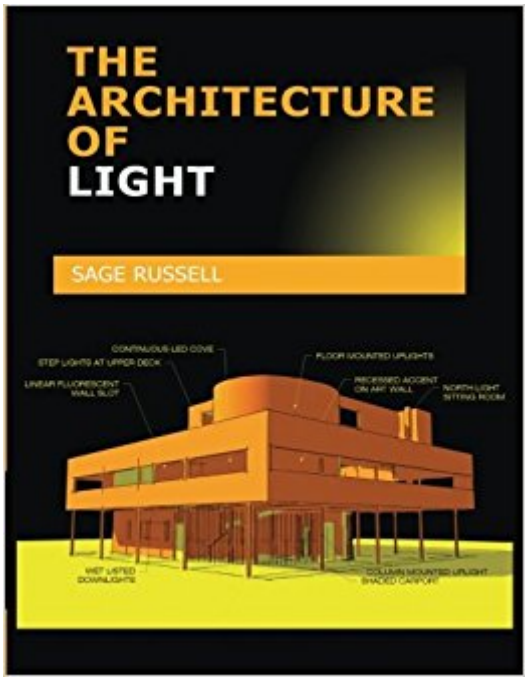
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The Architecture Of Light: A Textbook Of Procedures And Practices For The Architect, Interior Designer And Lighting Designer.



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Synopsis

The Architecture of Light makes lighting design approachable. This vivid, image packed text of lighting concepts and techniques serves as the perfect companion for lighting design students and professionals alike. Built around a successful teaching curriculum, this text provides a logical step by step progression through the phases of conceptualizing, refining, drafting and presenting lighting design. Written by a practicing professional lighting designer who is also an award winning design instructor, The Architecture of Light presents a perfect blend of visual design tools and fundamental lighting knowledge. In addition to theory and discussion, The Architecture of Light also provides complete chapters of common lighting details, case studies and a catalog of specific lighting tools. Every architect, interior designer and design student deserves a working knowledge of lighting design and this single book makes it possible.

Book Information

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Customer Reviews

Released in January 2008, The Architecture of Light is a lighting design textbook that merges fundamental lighting knowledge with graphic techniques for generating and communicating lighting design. The 264-page book is the brainchild of Sage Russell, a lighting designer at San Diego-based Lumia Light Studio and instructor at the Design Institute of San Diego. When asked what inspired him to publish the book, Russell says, "Having taught lighting design to architects and interior designers for seven years, each semester I struggled to provide them a text resource that

was practical and applicable in the context of a one-semester lighting education." Specifically created as a tool for design professionals whose primary focus is not lighting design, The Architecture of Light concentrates on visual data to provide a deeper understanding of the lighting decision-making process. Color diagrams, photographs, and renderings are used to educate readers about the controllable aspects of light--both electric and daylight--and how they can be applied to architectural spaces. The text, which features 28 chapters divided into three parts--the fundamentals of light, designing light, and deliverables--presents procedures that architects and designers can follow to develop an architectural lighting solution that enhances the design intent of a project. In addition to outlining the process of lighting design, Russell includes a series of chapters that focus on lighting fundamentals such as the physical properties of light and color, physiology of vision, and the characteristics of electric light sources. An overview is provided for the luminaire selection process, and readers are introduced to a family of "workhorse" products that commonly appear in fixture schedules. Sample cutsheets and images also are provided from a variety of lighting manufacturers, along with case studies of each fixture type. Typical lighting layouts for residential and commercial spaces are supplied, along with frequently used lighting details to illustrate design tactics for a variety of interior environments. Developed as a supplement to the text, lighting textbook.com features design guides and lecture modules that follow the book’s organization. Instructors of lighting design courses can download free PowerPoint presentations, handouts, and exercises based on a 15-week curriculum. The textbook--available for retail orders at .com--and the online tools were developed with the purpose to expose individuals to basic lighting knowledge and offer a true representation of what professional lighting designers do. "Good design comes from faith in a process," Russell explains. "If a designer knows that they have a reliable method for making design decisions and coming up with concepts, they will have more confidence in their abilities, and will evolve to more innovative design." --Source: ARCHITECTURAL LIGHTING Magazine By Megan Casey

Written by a practicing professional lighting designer who is also an award winning design instructor, The Architecture of Light presents a perfect blend of visual design tools, and fundamental lighting knowledge. The most useful aspects of practicing lighting design are presented here. Visual examples of critical lighting theories A comprehensive approach to adding light in layers Rendering and drafting techniques for documenting concepts and applications. Diagrams of fundamental lighting physics and physiology In depth discussion of specific lighting applications Examples of lighting layouts, luminaire schedules and cut sheets Daylight integration systems and details In

addition to theory and discussion, The Architecture of Light also provides complete chapters of common lighting details, case studies and a catalog of specific lighting tools. Every design student, architect and interior designer deserves a working knowledge of lighting design and this single book makes it possible.

As an interior design student, this was a textbook selected for my lighting class. I have really enjoyed this book. It is easy-to-understand and explains concepts clearly. The photographs and diagrams are really helpful. It has provided basic foundation knowledge for my class and enhances instructor lessons and field trips. What I like is that it gets into how lighting is really used in the arena of a design professional. I love lighting stores, but did not realize how much goes into creating a lighting design that is functional and efficient. Each chapter was thoughtfully presented and incorporated photographs and renderings that applied to the principle being taught.I am very happy with this book which is definitely a keeper!

I needed to design the lighting for a major remodeling project. Sage Russell’s book gave me the lumens per square foot for different rooms, five different layers of design, and examples of fixtures that are available, including low-level lights for stairs that I would not have thought about otherwise. The layers (if I remember correctly) are clear over-lays that he uses to plan (1) guiding people’s paths in or through the space, (2) task lighting, (3) accent lighting, (4) mood lighting, and (5) lighting architectural details. The lighting that I now plan does not have all of these layers in every room, but it is more sophisticated than what I could have done without this book. It is also more sophisticated than what design professionals without specific lighting training may do. I loved this book.

We’re adding new recessed lighting around the house...mostly on paintings, drapes, kitchen counters, etc and wanted some specific help with the myriad of sizes, types, trims, voltages, etc and some of the artistic aspects...ceiling spacing, wall washing, placement for paintings, etc.We bought two books, this one and "The Home Lighting Effects Bible." The Bible was much better for our needs, and much cheaper. It has loads of information and useful example photos...I highly recommend it. However, it still didn’t overcome the huge problem of deciding among the myriad of sizes, types, trims, voltages, etc. This "Architecture of Light" book was OK, but we didn’t find it particularly useful for our needs.A couple of professional lighting designers recommended going with 4" low-voltage (12V) MR16 lights...so that is what we did. I then spent weeks trying out dozens of different types of trims (Eyeballs, gimbals, recessed cones, truncated cones, chrome (clear),

white, gold, etc). I didn’t find a book to help clear that forest. There are almost hundreds of trim styles and color combinations, but they aren’t on or in the big box stores like Home Depot...you have to go to web wholesale electric sites.We’re very happy with the results...mostly white trims with gold truncated cones that hide the bulb from side view and allow 30 degree angle on paintings (e.g. Elite B1463RB-WH trims).We used for some early test gimbal trims and the special Low Voltage Magnetic dimmers that you need to dim the lights. You need the dimmers and a variety of MR16 bulb styles (wattage and angle) to balance the lighting effects in different locations.

I just redesigned and remodeled my entire house and was extremely happy with everything except for the lighting. As a mechanical engineer I just didn’t think about this crucial aspect to the design, and wish that I’d read this book before putting in normal stuff with fairly pedestrian results! We added accent lighting where necessary and even moved a couple of lights, there’s nothing more "fun" than moving a light and having a sheetrock repair in BRAND NEW sheetrock. Read this book FIRST and avoid that lovely experience :)

Using this book in the construction of our new house to make sure the lighting appropriately highlights and accents such a major investment. Covers he basics and give detailed examples really well. Would be nice to have chapter on lighting techniques when integrated with home automation, but probably is outside the scope of this text.

As a teacher of Environmental Control Systems, for architecture students (which includes both Illumination and Acoustics, my main field of interest) I needed a text capable of providing a design approach, coupled broadly to the technical aspects of the discipline. Sage Russell’s book clearly accomplishes this masterfully, and has gained a following among the Studio Design professors as well. The materials are stimulating and the writing is entertaining. I can truly recommend it in this context.

A great textbook for those going into the architecture and design field. It’s very useful and I highly recommend it.

Really good Lighting book, that gives good examples and explanations of how to do light.

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