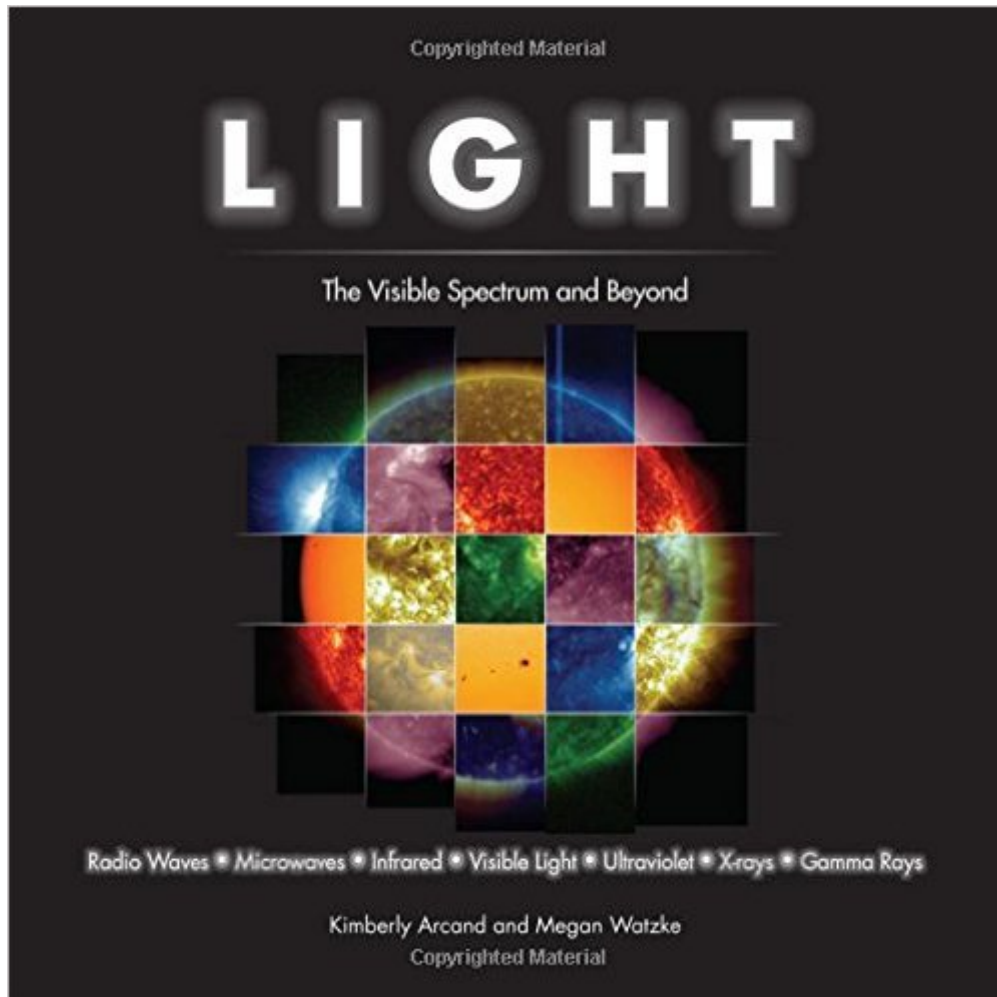


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# Light: The Visible Spectrum And Beyond



## Synopsis

A visual exploration of the power and behavior of light, across the electromagnetic spectrum, and how it affects life on earth and everything in the Universe. Light allows us to see everything around us, but humans can only see a sliver of all light, known as the electromagnetic spectrum. Here, Kim Arcand and Megan Watzke present the subject of light as never before. Organized along the order of the electromagnetic spectrum, each chapter focuses on a different type of light. From radio waves, harnessed for telecommunications, to X-rays, which let us peer inside the human body and view areas around black holes in deep space, Arcand and Watzke show us all the important ways light impacts us. An introductory chapter describes what light is and how it behaves, while hundreds of full-color photographs and illustrations demonstrate concepts and make for a stunning book that's a joy to read and browse. Kimberly Arcand and Megan Watzke are award-winning directors, producers, and authors who have spent their careers in science and technology. Arcand is the visualization lead for NASA's Chandra X-ray Observatory, specializing in image and meaning research, and data representation. She lives near Providence, RI. Watzke is the press officer for NASA's Chandra X-ray Observatory, specializing in communicating astronomy with the public. She lives in Seattle, WA. They are co-authors of *Your Ticket to the Universe* and have written dozens of articles in print and online.

## Book Information

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## Customer Reviews

I just received the 1st of two books I ordered from today written by Kim Arcand and Megan Watzke! "Light The Visible Spectrum and Beyond" and all I can say is WOW! This hardcover book is

Spectacular in Every Detail from the Unbelievable Images to the Accompanying Narratives that describe each Aspect of Light in Fine Detail! I thought I knew something about light since I've been a photographer all of my life and have a high-level of interest in Astronomy and the Sciences, but I've never seen another book like it! I have to consider this book the entire "Encyclopedia of Light!" It's a MUST HAVE for all Astronomers, Astrophotographers, Cosmologists, Physicists, or anyone else interested in learning about the many Fascinating Properties of Light! Purchase this well-written book for yourself or as a gift for your child, a family member or friend! You will not be disappointed! Kim Arcand works for NASA as a Visualization lead for the Chandra X-Ray Telescope and Megan Watzke works at the Smithsonian in Washington DC. Both of these women have excellent credentials and they have done an Outstanding Job in writing this book! Update January 1st 2016 Recommended by Scientific American! <http://www.scientificamerican.com/article/book-review-light/>

The images in this book are absolutely stunning! What an absolutely top quality book. It's beautiful as a physical object and packed with fascinating information. I also love that the authors are women, as women in STEM are so important. My husband and I are excited to read LIGHT with our son, and I would recommend this book for all families who enjoy reading books together that are informative and fun.

"Light" by Kimberly Arcand and Megan Watzke is not only a gorgeously illustrated and knowledgeably narrated book, it is an essential resource for any physical science instructor looking for visual tools to get ideas across to the students. Teaching physics, astronomy, and integrated science for pre-service teachers, I always look for resources and tools to connect the scientific ideas to everyday items and phenomena. This book allows me to do that with the different wavelengths of light. This is a book that the students will want to look at, not only because it is so beautiful, but also because it is outlined very effectively and the narration is easy to follow. We need more books like this for other topics in science.

This is our second book from Arcand and Watzke and we absolutely love it. The pictures are stunning and match with the text to help you really understand different aspects of light. My seven year old daughter has a particular interest in astronomy and constellations, so anything related to the "stars" she loves, and she really liked the parts where you can see how different types of light can reveal different looking images. This book helps you understand what is going on from a science perspective, particularly if you're not a scientist, and now I can actually explain a thing or

two. Really an awesome book for all ages.

This is a beautiful book that takes the reader through various ways to think and learn about light that those of us not in the physical sciences (like myself) can really appreciate and enjoy. The authors have made potentially dense material easy to understand. Highly recommend -- makes the reader think about something we see and take for granted every day (light) in a whole different, and more interesting, way.

Another volume in what has become a series of scientifically entertaining and instructional presentations of our universe, including some of the most technically vibrant and magnificent photography! From the elements to the solar system, these books from Black Dog & Leventhal Publishers, New York, are sure to capture the scientific interest of more people than ever before!

I already knew some things about the light spectrum and it's value for astrophysics and this very good book helped fill in the blank spots. Being self taught on a subject leaves blank spaces in the continuum of knowledge so I'm very grateful to the authors for a simply worded yet pretty sophisticated exposition of the subject. Would recommend for anyone interested in light and the impact it has on human existence.

This book is absolutely stunning to see and to read! It was wonderful to see complicated concepts (complicated to me) explained through photos and easier to understand wording. This will be on my family's coffee table for many years to come.

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