Contents

Introduction 6

Lighting Basics 8
The Nature of Light 10
Measuring Light 12
Light and Our Surroundings 14
Light and Our Eyes 16
Light, Form and Texture 18
Lighting Psychology 20
The History of Lighting 22

Sources of Light 26
Choosing the Light Source 28
The Tungsten Bulb 29
Tungsten-halogen Lamps 32
The Fluorescent Tube 33
Miniature Fluorescents 34
Other Lamp Types 35

The Hardware 36
Choosing the Fitting 38
Ceiling-mounted Downlighters 48
Spotlights 52
Pendants 58
Fluorescent Fittings 66
Wall Lights 68
Table Lights and Task Lights 76
Floor Lights 86
Oddities 94
Exterior Lights 96

The Art of Lighting 100
Task Lighting 102
Background Lighting 104

The Decorative Approach 106
Highlighting Walls 108
Creating a Style 110
Display Lighting 112
Lighting for Plants and Flowers 116
Fittings as Furniture 118
Planning a Scheme 120
Making Do 124

Room by Room 126
Entrances and Passageways 128
The Kitchen 132
The Bathroom 138
Living Rooms 142
Bedrooms 148
The Dining Room 154
Children’s Rooms 160
Studies and Libraries 162
Gardens, Patios and Pools 164

Practicalities 168
Electricity in the Home 170
Materials and Techniques 172
Plug-in Lighting 174
Fixed Lighting 176
Cleaning and Maintenance 182
Employing Others 182
Glossary 183
Common Lamp Types 185
Useful Addresses 187

Index 189
Acknowledgments 192
The book covers everything you could possibly need and it teaches the subject in a way that's very easy to consume regardless of your skill level. How to Render. Learning the theory behind light is certainly a good idea. I know this book isn't specifically made for lighting but it's one of the best all-around art fundamentals books for concept artists & illustrators. As the title suggests, Art Fundamentals teaches you a little bit about all the major fundamental skills you need to master before getting into professional artwork. IES endeavors to bring you the latest and best in lighting-related books that represent the views and opinions of the authors and not necessarily those of the IES. Best sellers and industry must-haves can be found in this listing—a hand-picked selection of resources from a variety of top authors and publishers. The Lighting Secrets of the World's Best Wedding Photographers. Discover dramatic and original lighting techniques to improve your wedding photography! Click to Buy. The most comprehensive wealth of practical lighting information I've ever seen! "The LIT book is exactly what photographers are looking for! Full of amazing visuals, behind the scenes info, tips, and setups, all from the most talented photographers in the world. Might just be the most resourceful photo book I've ever seen made." Purchase the LIT eBook.