

FOREWORD

2009 is the centenary of the formation of the Illuminating Engineering Society, the progenitor of the Society of Light and Lighting. This handbook has been written to celebrate this anniversary and to fill a gap in the Society's publications. The Society of Light and Lighting's major publications are:

- The *SLL Code for lighting*, which offers recommendations on lighting for a wide range of applications
- The *SLL Lighting Guides*, which provide detailed guidance on specific lighting applications

The *SLL Lighting Handbook* has been written to forge a link between them. It is designed to be complementary to the *SLL Code for lighting* but to go beyond it in terms of applications and background information without getting into the fine detail of the *Lighting Guides*.

The *SLL Lighting Handbook* is intended to be the first-stop for anyone seeking information on lighting. It is aimed not just at lighting practitioners but also at lighting specifiers and students of lighting. For all three groups, we have tried to make it comprehensive, up-to-date and easily understandable. The contents summarise the fundamentals of light and vision, the technology of lighting and guidance on a wide range of applications, both interior and exterior.

Authors

Peter Boyce PhD, FSLL, FIESNA

Peter Raynham BSc MSc CEng FSLL MCIBSE MILE

Acknowledgements

John Fitzpatrick

Lou Bedocs (Thorn Lighting)

Ted Glenny (Philips Lighting)

Jennifer Brons for Figure 20.2

Kit Cuttle for Figures 13.1 and 13.2

Lighting Research Center for Figures 9.1, 10.3, 18.8, 18.9 and 20.3

McGraw Hill Inc, for Figures 2.4 and 2.9

Mick Stevens for Figures 20.3 and 22.1

The Illuminating Engineering Society of North America for Figures 1.5, 1.6, 1.7, 1.8, 2.8 and 2.13

Philips Lighting, iGuzzini Illuminazione, Havells Sylvania & Luxo

Charlotte Wood Photography for Figures 14.1, 14.2 and 14.3

Editors

Stuart Boreham (entiveon Ltd.)

Peter Hadley (Squarefox Design Ltd.)

SLL Secretary

Liz Peck

CIBSE Editorial Manager

Ken Butcher

CIBSE Director of Information

Jacqueline Balian