

# LED Direct's Guide for CIBSE Recommended Lighting Levels

**LED DIRECT**

## OFFICES

General	500 lux
Computer work stations	300 – 500 lux
Filing rooms	300 lux
Print rooms	300 lux
Drawing office	500 lux
Drawing boards	750 lux
CAD design areas	300 – 500 lux

## RETAILING

Small retail outlets	500 lux
Supermarkets	750 lux
Hypermarkets	1000 lux
DIY superstore	1000 lux
Garden centres	500 lux
Showrooms	500 – 750 lux

## CIRCULATION AREAS

Lifts	100 lux
Corridors & stairs	100 lux
Escalators/Conveyors	150 lux
Atria	50 – 200 lux
Atria with plants	500 – 3000 lux
Entrances/Exits	200 lux

## ENGINEERING

Tool shops	500 – 750 lux
Arc welding	500 lux
Spot welding	500 – 1000 lux
Heavy machine assembly	300 lux
Inspection and testing	500 – 2000 lux

## BANKS & BUILDING SOCIETIES

Counter offices	500 lux
Public areas	500 lux

## STAFF AREAS

Changing rooms & toilets	100 lux
Restrooms	150 lux
Restaurants & canteens	200 lux

## KITCHENS

Serving & washing up areas	500 lux
Food preparation & cooking	500 lux
Food stores	150 lux

## PUBLIC ACCESSIBILITY

Churches & village halls	200 lux
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## COMMUNICATION

Switchboards	300 lux
Post rooms	500 lux

## DISTRIBUTION & STORAGE

Loading bays	150 lux
Unpacking & sorting	200 lux
Large item stores	100 lux
Small-item stores	200 lux
Trade counter	500 lux
Warehouse/Bulk Stores	100 lux
Packing & despatch	300 lux
Cold stores	300 lux

## BUILDING SERVICES AREAS

Boiler house	100 lux
Control rooms	300 lux
Mechanical plant rooms	150 lux
Electrical plant rooms	100 lux

## GENERAL AREAS

Entrance halls & lobbies	200 lux
Enquiry desks	500 lux
Gatehouses	200 lux



To discuss your project today, call

**0333 0230 827**



Or email us about your lighting project now!

**info@leddirect.co.uk**

The infographic above provides a helpful guide to the CIBSE recommended lighting levels for the most common premises types. This is only a guide and any specific building requirements need to be carefully considered. If in doubt, consult our expert! LED Direct can provide advice on the correct lighting solution for any application, drawing on our decades of experience in the lighting sector.

# Cibse Lighting Guide 7

**Gary R. Steffy**



## **Cibse Lighting Guide 7:**

**Lamps and Lighting** M.A. Cayless, 2012-08-21 This book is a comprehensive guide to the theory and practice of lighting. Covering the physics of light production, light sources, circuits and a wide variety of lighting applications, it is both suitable as a detailed textbook and as a thoroughly practical guide for practising lighting engineers. This fourth edition of *Lamps and Lighting* has been completely updated with new chapters on the latest lamp technology and applications. The editors have called upon a wide range of expertise and as a result many sections have been broadened to include both European and US practice. The book begins with a description of the fundamentals of light, vision, colour and measurement. Part II, the main section of the book, deals with lamps and control equipment and includes descriptions of all lamp types in use today. Part III on lighting covers both interior and exterior applications.

*Environmental Ergonomics: Principles, Methods, and Applications* Ken Parsons, 2025-04-14 *Environmental Ergonomics: Principles, Methods, and Applications* provides the philosophy, principles and application of environmental ergonomics as a universal concept and considers total environments as an integration of environmental factors to which people are exposed. The book develops the definition of environmental ergonomics and presents the principles, methods and application of knowledge in the areas of human response to heat and cold, sound, vibration, light and air quality and addresses diverse environments and people. The title explains the effects of the environment on the health, comfort and performance of people. For all environmental components, it introduces environmental ergonomics as a universal subject and offers general principles and methods for measuring and representing the environment and its effects. A wide range of case studies demonstrates the application of the subject for all environmental components and for integrated environments. Special environments such as vehicles and unique populations such as people with disabilities are considered in the book. The title concludes with an in-depth understanding of total environments with a description of how to conduct an environmental ergonomics survey and a case study. An ideal read for any professional or student interested in environmental ergonomics, including architects, occupational hygienists, interior designers, systems engineers, civil engineers, HVAC engineers and building services engineers. The title will help any reader develop a thorough understanding of the effects of the environment on the health, comfort and performance of people.

*Building Services Journal*, 2005

*Proceedings of the First CIE Symposium on Lighting Quality* International Commission on Illumination, 1998

*Kempe's Engineers Year-book*, 2002

**Engineer's Year-book of Formulae, Rules, Tables, Data & Memoranda**, 1999

**International Journal of Lighting Research and Technology**, 1996

*Recommended Practice on Lighting for Educational Facilities*, 2000

**Cibse Lighting Guide Lg4: Sports** Cibse Staff, 1990-12

**Lighting Design for Schools** Great Britain. Department for Education and Employment. Architects & Building Branch, 1999

**Lighting Design for Schools**

**Lighting for Industry and Security** Stanley Lewis Lyons, 1992 Provides a wealth of information about lighting for industrial applications and as an aid to security. As well as serving the needs of practising lighting

engineers and specifiers of lighting it will also be a valuable reference for newcomers to the lighting industry This is because technical terms and basic lighting concepts are explained in plain language Building Services ,1989 *The Arup Journal* ,1997 *Lighting Historic Buildings* Derek Phillips,1997-04 Modern lighting techniques help you showcase and beautify historic buildings Now you can design better more efficient illumination for older structures with *Lighting Historic Buildings* by Derek Philips You ll know how to incorporate modern lighting into buildings built decades or centuries before flourescent bulbs TV screens computer monitors and OSHA requirements were invented Whether you re renovating refurbishing or expanding an illumination system lighting historic buildings shows you proven strategies and designs for using both natural and artificial light to achieve outstanding results Plus over 200 full color illustrations show you the best lighting solutions for offices residences churches industrial facilities and change of use properties worldwide Uding the expert techniques you ll find in this one of kind resource you ll see how to provide modern and efficient lighting designs while retaining the original beauty and integrity of historic buildings *Schools' Environmental Assessment Method (SEAM)*. Great Britain. Department for Education and Employment. Architects & Building Branch,1996 With inserted Certificate of achievement 1p **Safety in Swimming Pools** ,1988 *BRE Digest* ,2006 *Encyclopaedia of Occupational Health and Safety* Jeanne Mager Stellman,1998 PLEASE NOTE The paper option listed above is a SET including the 4 volume cloth version and the CD ROM Developed through an extensive process of consultation with leading professionals and health and safety institutions worldwide the new expanded and long awaited Fourth Edition of this well respected reference provides comprehensive timely and accurate coverage of occupational health and safety Lighting the Electronic Office Gary R. Steffy,1995 Improper lighting at computer terminals and other work stations can seriously damage the health of workers This book offers real solutions to that problem and systemically examines all sides of this critical issue Analyzing current legislation standards and voluntary guidelines it develops a consensus and recommends means of implementation 50 illustrations **Sports Vision** Donald F. C. Loran,Caroline J. MacEwen,1995 A text for eye care and sports medicine practitioners optical and sports manufacturers sports scientists and coaches identifying measures which optimize safe and efficient vision in sport Covers aspects including sports for the visually impaired eye injuries and eye protectors light and lighting vision correction sports optometry forensic sports vision and setting up a sports vision practice Features chapter summaries bandw and color photos a glossary vendor and organization listings and survey results Annotation copyright by Book News Inc Portland OR

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