

# 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

**Chartered Institute Of Building  
Services Engineers Staff**



## **Cibse Lighting Guide :**

**Cibse Lighting Guide Lg4: Sports** Cibse Staff,1990-12      *Cibse Lighting Guide Lg9: Lighting for Communal Residential Buildings* Chartered Institute Of Building Services Engineers Staff,1997-12      *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 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      **Lighting Guide** Chartered Institution of Building Services Engineers,2022      **The Colour, Light and Contrast Manual** Keith Bright,Geoffrey Cook,2010-01-06 Endorsed by the Society of Light and Lighting this practical book offers comprehensive guidance on how colour light and contrast can be incorporated within buildings to enhance their usability The book provides state of the art clear guidance as well as a valuable information source for busy professionals involved in the design or management of new and existing environments The ways colour light and contrast are used within built environments are critical in determining how people interact with the space and how confident safe and secure they will feel when doing so They also have a major influence on a person's sense of well being and their ability to use the environment independently and without undue effort Understanding how to use colour and contrast and how they are influenced by both natural and artificial lighting is vital for all those involved in the design and management of the environments and spaces we all use In recent years there has been a considerable amount of work undertaken to further our understanding of how colour light and contrast affect emotion and sensory abilities and how they can assist or hinder people in their everyday lives Other publications consider these issues individually but *The Colour Light and Contrast Manual* designing and managing inclusive built environments draws knowledge and information together to produce a unique comprehensive and informative guide to how the three elements can work together to improve the design and management of environments for us all Supporting website at [www.wiley.com/go/brightandcook](http://www.wiley.com/go/brightandcook)      **Lighting Guide** ,1989      **The Building Regulations 2000** Stationery Office,2006-03-28 Building Regulations 2000 L2a      **Mechanical and Electrical Equipment for Buildings** Walter T. Grondzik,Alison G. Kwok,Benjamin Stein,John S. Reynolds,2011-01-31 For more than half a century this book has been a fixture in architecture and construction firms the world over Twice awarded the AIA's Citation for Excellence in International Architecture Book Publishing *Mechanical and Electrical Equipment for Buildings* is recognized for its comprehensiveness clarity of presentation and timely coverage of new design trends and technologies

Addressing mechanical and electrical systems for buildings of all sizes it provides design guidelines and detailed design procedures for each topic covered Thoroughly updated to cover the latest technologies new and emerging design trends and relevant codes this latest edition features more than 2 200 illustrations 200 new to this edition and a companion Website with additional resources *Daylight, Design and Place-Making* Hisham Elkadi, Sura Al-Maiyah, 2020-12-21 Daylight Design and Place Making examines the role of daylight in creating and revealing the wonders of heritage and contemporary architecture Shifting from a purely technical approach to daylighting this book places importance on the creation of meaningful aesthetics through an understanding of context and culture Cultural applications of light in architecture differ depending on various historical technological and social characteristics Increasingly there is a revival of interest in contemporary architecture using daylight as an essential contextual ingredient in the design process By examining the architecture of daylight in different locales and setting these in their historical contexts the book argues that appropriate use of daylight will ensure not only visual and thermal comfort in the urban setting and aid in energy efficiency but also will contribute to the overall identity of new buildings particularly in urban regeneration projects This book brings together an analysis of technical aspects of daylight performance and environmental impact with discussions on the psychology of daylighting and its influence in shaping perceptions of our built environment It will be an ideal read for academics and researchers interested in architecture and cultural studies *Guidelines for Environmental Design in Schools* Great Britain. Department for Education and Employment. Architects & Building Branch, 1997 This guide provides advice on meeting the standards prescribed in The Education School Premises Regulations 1996 It replaces Design Note 17 The guidelines are aimed at the designers of new school buildings but may also be used for the improvement of existing buildings **Lighting Guide**, 1989 SASH Design Guide 1 Sports Council (Great Britain), 1986 **Hospital Accommodation for Children and Young People** NHS Estates, 2005 This publication sets out best practice guidance on the design of healthcare facilities for children and adolescents with the aim of creating a child centred built environment It is primarily intended for new builds and upgrades of existing childrens facilities Central considerations are alleviating fear and anxiety maximising security and safety reducing boredom and creating a healing environment Facilities should also cater for parents and siblings Issues discussed include general functional and design considerations including patient groups capacity planning space access and security requirements play facilities and privacy aspects design of specific service areas including reception out patient and in patient facilities engineering services and cost information *Code for Lighting* Chartered Institution of Building Services Engineers, Society of Light and Lighting, 2002 The Code for Lighting has been revised and updated to include exterior lighting as well as interior lighting The book takes into account new legislation such as the 2002 revision of Part L of the Building Regulations as well as new and forthcoming International and European Standards on lighting and ergonomics It also reflects new initiatives on energy conservation in the UK This book is primarily intended to provide guidance to those

responsible for the design installation commissioning operation and maintenance of building services Fully updated to take account of the Building Regulations 2002 Part L revisions Key reference tool for interior and exterior lighting Illustrated in colour throughout     **Sustainable Construction** Sandy Halliday, 2018-12-07 The second edition of Sustainable Construction provides a masterclass on the principles and techniques involved in the design and delivery of practical affordable high quality sustainable buildings and places It presents precedents theory concepts and principles alongside 120 wide ranging case studies that highlight current best practice and encourage implementation Topics in the book include the history of ideas in sustainable construction policy materials cost issues appraisal techniques environmental design energy water construction processes and urban ecology The book is heavily illustrated in full colour and is an ideal contemporary accessible primer to courses in Architecture Construction Building Engineering Environmental Engineering Project Management Landscape Urbanism and Development     *Building Services Journal* ,2005     **Recommended Practice on Lighting for Educational Facilities** ,2000     **International Journal of Lighting Research and Technology** ,1996  
    The Lighting Journal ,1990     **Lighting Design + Application** ,1997

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