

# LED Direct's Guide for CIBSE Recommended Lighting Levels

LED DIRECT

OFFICES		ENGINEERING		COMMUNICATION	
General	500 lux	Tool shops	300 – 750 lux	Switchboards	300 lux
Computer work stations	300 – 500 lux	Arc welding	300 lux	Post rooms	500 lux
Filing rooms	300 lux	Spot welding	500 – 1000 lux		
Print rooms	300 lux	Heavy machine assembly	300 lux		
Drawing office	500 lux	Inspection and testing	300 – 2000 lux		
Drawing boards	750 lux				
CAD design areas	300 – 500 lux				
RETAILING		BANKS & BUILDING SOCIETIES		DISTRIBUTION & STORAGE	
Small retail outlets	500 lux	Counter offices	300 lux	Loading bays	150 lux
Supermarkets	750 lux	Public areas	300 lux	Unpacking & sorting	200 lux
Hypermarkets	1000 lux			Large item stores	100 lux
DIY superstores	1000 lux			Small-item stores	200 lux
Garden centres	500 lux			Trade counter	300 lux
Showrooms	500 – 750 lux			Warehouse/Bulk Stores	150 lux
CIRCULATION AREAS		STAFF AREAS		Packing & dispatch	
Lifts	100 lux	Changing rooms & toilets	100 lux	Cold stores	300 lux
Corridors & stairs	100 lux	Restrooms	150 lux		
Escalators/Conveyors	100 lux	Restaurants & canteens	200 lux		
Atria	50 – 200 lux				
Atria with plants	500 – 3000 lux				
Entrances/Exits	200 lux				
KITCHENS		BUILDING SERVICES AREAS		GENERAL AREAS	
		Serving & washing up areas	300 lux	Boiler house	100 lux
		Food preparation & cooking	300 lux	Control rooms	300 lux
		Food stores	150 lux	Mechanical plant rooms	150 lux
PUBLIC ACCESSIBILITY				Electrical plant rooms	100 lux
		Churches & village halls	300 lux		
				Entrance halls & lobbies	200 lux
				Enquiry desks	500 lux
				Garages	200 lux



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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 team provide advice on the correct lighting solution for any application, drawing on our decades of experience in the lighting sector.

# Cibse Guide To Lighting Levels

**Sabine Zange**

## **Cibse Guide To Lighting Levels:**

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

**Using the Building Regulations: Part M Access** Melanie Smith, 2006-08-11 This informative book takes the practitioner through the requirements for Part M of the Building Regulations explaining and expanding the guidance given in the Approved Document and comparing the advice in BS83000 and other relevant publications Access statements are demystified and the implications for the building in use under the Disability Discrimination Act are clarified It will inform all those working within the built environment enabling them to deal with a complex and evolving area of the law which directly affects everyone As with the other books in the Using the Building Regulations series Part M Access goes far beyond analysis of the Regulations and Documents themselves and offers practical advice on using not just the traditional routes to compliance but also on the alternative approaches suggested but not explained in the Approved Documents The advantages and disadvantages of each form of compliance are analysed in depth

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 **Facilities Manager's Desk Reference** Jane M. Wiggins, 2020-12-07 A practical guide to the principle services of facilities management revised and updated The updated third edition of Facilities Manager's Desk Reference is an invaluable resource covering all the principal facility management FM services The author a noted facilities management expert provides the information needed to ensure compliance to current laws to deliver opportunities to adopt new ways of using built environments and to identify creative ways to reduce operational occupancy costs while maintaining appropriate and productive working environment standards The third edition is fully updated and written in an approachable and concise format It is

comprehensive in scope the author covering both hard and soft facilities management issues Since the first edition was published it has become a first point of reference for busy facilities managers saving them time by providing access to the information needed to ensure the safe effective and efficient running of any facilities function This important book Has been fully updated reviewing the essential data covering the principal FM services Is highly practical ideal for the busy FM practitioner Presents information on legal compliance issues the development of strategic policies tactical best practices and much more Is a time saving resource that brings together essential useful and practical FM information in one handy volume Written for students and professional facilities managers Facilities Manager s Desk Reference is designed as a practical resource that offers FMs assistance in finding solutions to the myriad demands of the job

*Design Tools for Evidence-Based Healthcare Design* Michael Phiri,2014-12-05 The growing movement towards evidence based healthcare design has largely emphasised a change of culture and attitudes It has advocated for new ways of working but until now it has not focused on equipping healthcare clients and their designers with the practical means to exploit the potential benefits from evidence based architectural design Development of indicators and tools that aid designers and users of the built environments in thinking about quality enhances the design process to achieve better outcomes Importantly design tools can support managers and designers through end user involvement and an increased understanding of what patients and staff expect from their healthcare facilities They can facilitate the creation of patient centred environments which improve user satisfaction Design Tools for Evidence Based Healthcare Design Discusses the tools that are being used to achieve design quality and excellence within the context of NHS procurement systems such as PFI Procure21 and others Collates information that increases our understanding of these tools in order to be able to make the best use of them Clarifies where during the various stages of a building s life from inception design construction occupation and re use these tools should be used in order to derive the benefits possible from evidence based design Provides in one place an authoritative reference publication that will act as a memory a user guide and manual for these design tools Illustrated with case studies from throughout the UK and written by a well known expert in the field this book will provide essential reading for anyone involved in healthcare design

**SASH Design Guide 1** Sports Council (Great Britain),1986 **Lighting** D.C. Pritchard,2014-09-25 Lighting now in its sixth edition is the standard text on the principles and practice of lighting interiors and exteriors The book introduces all the main principles of light and colour along with the design of general lighting schemes It complies with the CIBSE lighting code and guides covers the main calculations that a lighting designer needs to do and includes worked examples The book starts with the theory of light and how it is perceived by the eye It looks at the units used and the subjective effect of colour The characteristics of various types of lamp are described along with luminaires the equipment that contains the lamps The effects of daylight on light levels indoors are described before going on to look at the design of general lighting schemes The book concludes with chapters looking at lighting for specific applications

including roadway lighting floodlighting and the interior of specific building types      **Building Services Journal** ,2005  
**The Building Regulations 2000** Stationery Office,2006-03-28 Building Regulations 2000 L2a      Plant Engineer's Reference Book Dennis A. Snow,1991 Useful to engineers in any industry Extensive references provided throughout Comprehensive range of topics covered Written with practical situations in mind A plant engineer is responsible for a wide range of industrial activities and may work in any industry The breadth of knowledge required by such professionals is so wide that previous books addressing plant engineering have either been limited to certain subjects or cursory in their treatment of topics The Plant Engineer's Reference Book is the first volume to offer complete coverage of subjects of interest to the plant engineer This reference work provides a primary source of information for the plant engineer Subjects include selection of a suitable site for a factory and provision of basic facilities including boilers electrical systems water HVAC systems pumping systems and floors and finishes Detailed chapters deal with basic issues such as lubrication corrosion energy conservation maintenance and materials handling as well as environmental considerations insurance matters and financial concerns The authors chosen to contribute to the book are experts in their various fields The Editor has experience of a wide range of operations in the UK other European countries the USA and elsewhere in the world Produced with the backing of the Institution of Plant Engineers this work is the primary source of information for plant engineers in any industry worldwide      **International Journal of Lighting Research and Technology** ,1996      The Lighting Journal ,1990      *Lighting Design + Application* ,1996      **Engineer's Year-book of Formulae, Rules, Tables, Data & Memoranda** ,1999      **The Lit Environment** Derek Phillips,2002 Building on the success of his previous two books in this series The Lit Environment sees Derek Phillips approaching the topic of exterior lighting This book addresses the issues raised by the perception of light experienced by people who are outside buildings It is not simply about floodlighting buildings but takes a more embracing approach to deal with light for the whole external environment Covers a comprehensive range of buildings through 30 international case studies including buildings in Britain France Germany Denmark Israel Egypt and the United States The book represents a strong fusion of science and quantity with light and vision Visually inclined designers should understand how science can improve their vision and engineers with a strong science basis should understand how they can come to terms with visual affects This book illustrates the essence of how to light buildings well Benefit from the experience and knowledge of a top architect and lighting engineer Gain an understanding of the design principles involved with this comprehensive overview of exterior lighting International case studies from Lyon to Tel Aviv as well as the United States show theory in practice      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      Facility

Design & Management ,1992    The Arup Journal ,1997    **The Architects' Journal** ,1997    *International Journal for  
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