

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 Lux Levels Guide

Keith Bright, Geoffrey Cook



Cibse Lighting Lux Levels Guide:

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

Pharmaceutical Isolators Brian Midcalf, 2004 This work considers the basic concepts definitions and standards necessary in the design construction commissioning maintenance and use of pharmaceutical isolators

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

Metric Handbook Pamela Buxton, 2015-03-05 Significantly updated in reference to the latest construction standards and evolving building types. Many chapters revised including housing transport offices libraries and hotels. New chapter on flood aware design. Sustainable

design integrated into chapters throughout Over 100 000 copies sold to successive generations of architects and designers this book belongs in every design studio and architecture school library The Metric Handbook is the major handbook of planning and design information for architects and architecture students Covering basic design data for all the major building types it is the ideal starting point for any project For each building type the book gives the basic design requirements and all the principal dimensional data and succinct guidance on how to use the information and what regulations the designer needs to be aware of As well as building types the Metric Handbook deals with broader aspects of design such as materials acoustics and lighting and general design data on human dimensions and space requirements The Metric Handbook provides an invaluable resource for solving everyday design and planning problems 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 *The Architects' Handbook* Quentin Pickard, 2008-04-30 The Architects Handbook provides a comprehensive range of visual and technical information covering the great majority of building types likely to be encountered by architects designers building surveyors and others involved in the construction industry It is organised by building type and concentrates very much on practical examples Including over 300 case studies the Handbook is organised by building type and concentrates very much on practical examples It includes a brief introduction to the key design considerations for each building type numerous plans sections and elevations for the building examples references to key technical standards and design guidance a comprehensive bibliography for most building types The book also includes sections on designing for accessibility drawing practice and metric and imperial conversion tables To browse sample pages please see <http://www.blackwellpublishing.com/architectsdata> **Integrated Sustainable Design of Buildings** Paul Appleby, 2012-10-12 This book aims to provide a guide to members of design and masterplanning teams on how to deliver sustainable development and buildings cost effectively meeting current and emerging UK and international statutory and planning requirements The book sets out a clear and understandable strategy that deals with all aspects of sustainable design and construction and the implications for delivery costs saleability and long term operation The extensive scope includes all aspects of environmental social and economic sustainability including strategies to reduce carbon emissions and the impact of climate change **Electrical Engineer's Reference Book** M. A. Laughton, D.F. Warne, 2002-09-27 For ease

of use this edition has been divided into the following subject sections general principles materials and processes control power electronics and drives environment power generation transmission and distribution power systems sectors of electricity use New chapters and major revisions include industrial instrumentation digital control systems programmable controllers electronic power conversion environmental control hazardous area technology electromagnetic compatibility alternative energy sources alternating current generators electromagnetic transients power system planning reactive power plant and FACTS controllers electricity economics and trading power quality An essential source of techniques data and principles for all practising electrical engineers Written by an international team of experts from engineering companies and universities Includes a major new section on control systems PLCs and microprocessors **Facilities Manager's Desk**

Reference Jane M. Wiggins, 2020-12-14 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 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

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