

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	500 lux
Inspection and testing	500 – 2000 lux

BANKS & BUILDING SOCIETIES

Counter offices	500 lux
Public areas	300 lux

STAFF AREAS

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

KITCHENS

Serving & washing up areas	300 lux
Food preparation & cooking	500 lux
Food stores	150 lux

PUBLIC ACCESSIBILITY

Churches & village halls	300 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 & dispatch	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

DJ Losen



Cibse Lighting Lux Levels Guide:

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

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

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

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

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

[Building Services Journal](#),2006

Metric Handbook David Adler,2007-06-07 Originally devised as a guide for converting from imperial to metric measurements The Metric Handbook has since been totally transformed into a major international handbook of planning and design data The second edition has been completely updated with most chapters being totally rewritten to meet the needs of the modern designer The book contains nearly 50 chapters dealing with all the principal building types from airports factories and warehouses offices shops and hospitals to schools religious buildings and libraries For each building type The Metric Handbook gives the basic design requirements and all the principal dimensional data Several chapters deal with general aspects of building such as materials lighting acoustics and tropical design There are also sections on general design data including details of human dimensions and space requirements It is a unique authoritative reference for solving everyday planning problems In its various editions it has sold over 100 000 copies worldwide and continues to be a reference work belonging on every design office desk or drawing board

The Lit Environment Derek Phillips,2002 Benefit from the experience and knowledge of a top architect and lighting engineer

Interdisciplinary Design Hanif Kara,2022-03-07 Architects and engineers both claim to be designers though how they define design and the approaches they use to realize it vary widely However their interaction has also created some of the world's most memorable enduring and impressive buildings The unprecedented impact of digital technologies illuminates the complexity and non linearity of the process that these designers go through while massively expanding both the ability to visualize and represent forms and to analyze their structural behavior It has obviously changed both architecture and engineering and so also the potential for interaction between them Interdisciplinary Design began as a course at Harvard GSD attended by graduate students in architecture and also by MIT graduate students in structural engineering and computation In this course students and instructors examined a series of built projects in order to develop new viewpoints and communication across disciplinary boundaries in teaching

practice and construction **SASH Design Guide 1** Sports Council (Great Britain),1986 *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 **Light's Labour's Lost** Paul Waide,International Energy Agency,2006 2011 Updated Reprint Updated Annually US Mortgage System Handbook Vol 2 How to Obtain Mortgages in the US *Work and the Eye* Rachel V. North,2001 Improved updated and revised the second edition of *Work and the Eye* will continue to be the first comprehensive guide to vision in the workplace It is essential reading for all occupational optometrists and optometrists in training Practical succinct authoritative and well referenced Revised to include new regulations and standards Comprehensive student book or quick reference for the busy practitioner the book identifies potential visual problems and offers guidance in maximizing visual performance Includes all the vital information on visual standards codes and regulations as they apply to particular tasks or jobs and outlines methods of vision screening available Ocular hazards and eye protection are covered in detail Essential purchase for all those who need to keep completely up to date with the latest developments

The Architects' Journal ,1994-10 *International Journal of Lighting Research and Technology* ,1996

Recommended Practice on Lighting for Educational Facilities ,2000 **Engineer's Year-book of Formulae, Rules, Tables, Data & Memoranda** ,1999 *Stadia* Geraint John,Rod Sheard,2000 This completely updated third edition is an essential design guide for those responsible for designing and providing new stadia and also making major alterations to existing buildings Stadia are one of the most exciting building types designed well they can enhance and provide a comfortable venue for great occasions One new chapter for this edition *Stadia and Tourism* looks at this modern very interesting aspect of stadia This authoritative and comprehensive guide to stadia design will be invaluable to those responsible for the provision of new stadia or refurbishment Both authors have been involved in the design of stadia arenas and grandstands for many years and this book reflects their wealth of experience and expertise **The Lighting Journal** ,1990 **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

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