

# 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 |
|--------------------------|---------|

## 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 Hospitals Health Care Buildings

**M.A. Cayless**



## **Cibse Lighting Guide Hospitals Health Care Buildings:**

Lighting Guide, 1989      **Healthcare Engineering - Latest Developments and Applications** PEP (Professional Engineering Publishers), 2004-01-26 Healthcare Engineering Latest Developments and Applications focuses on building design and management environmental issues including energy consumption and emission plus air quality and infection control in patient areas Providing an insight into the solutions offered by new technologies and systems to building management challenges Healthcare Engineering Latest Developments and Applications identifies ideas for improved design and layout of hospitals and equipment As well as practical advice on how to control energy consumption and updates on the latest research into hospital acquired infection this volume gives detailed analysis of hygiene control in operating theatres An up to date text essential for the study of Healthcare Engineering      Lighting for Healthcare Premises N. Bukorovic, 2019-09 Supplies guidance useful to those with a role in designing installing commissioning and operation and maintenance of building services Areas covered include lighting design considerations in healthcare buildings lighting within public areas specialised areas healthcare centres and emergency and exterior lighting      *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      Handbook on the Wiring Regulations Electrical Contractors' Association (ECA), 2008-04-15 This well established handbook written and sponsored by the Electrical Contractors Association and Select formerly the Electrical Contractors Association of Scotland provides a detailed authoritative guide to the Wiring Regulations BS 7671 Requirements for Electrical Installations As the regulations are not drafted by topic the handbook will be particularly useful in guiding designers installers inspectors and testers round the various requirements It gives practical guidance on how to approach new installations extensions to existing installations and the more extensive testing and inspection which are required The handbook has been revised to take account of amendments introduced by BS 7671 2001 effective from 1 January 2002 The most significant changes are chapter 13 rewritten to include three sections on protection for safety design and selection of electrical equipment a new chapter 44 on overvoltage protection a new chapter 48 on high fire risk situations revisions to the requirements on rooms containing a bath or shower new earthing requirements for the installation of equipment with high protective conductor outlets      **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 children's 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.

**Environmental Handbook for Building and Civil Engineering Projects**, 1994. This handbook provides practical advice and guidance on the environmental issues that are likely to be encountered at each stage of a building or civil engineering project.

**Sterile Services Department** NHS Estates, NHS Estates Staff, 2004. Provides guidance to help health planners, estates and facilities managers, sterile services managers and capital planning and design teams to plan and design a sterile services department. It discusses the objectives of a sterile services department, SSD and service requirements, particularly focusing on raising standards in decontamination services by optimising the built environment, service requirements, strategy, calculating the optimum capacity of an SSD to eradicate bottlenecks, determining the most appropriate location of an SSD. Design guidance based on the above service objectives is outlined. Finally, the finer details of the individual spaces within an SSD are discussed.

Facilities for Rehabilitation Services NHS Estates, 2004. This publication contains guidance on the planning and design of facilities for rehabilitation services provided within acute general hospitals as well as in a range of community settings. It adopts a modular approach to the topic which describes facilities for separate elements of a general rehabilitation service that can be put together as circumstances require and according to local needs to achieve good management and value for money in capital and revenue terms. Recognition is given to the need to make decisions locally as close to the patient as possible and the involvement of service users and representatives in the planning and design process is encouraged. Sections cover general service considerations, environment and design considerations, operational aspects including health and safety, catering and domestic services, health records service and IT, general planning issues including parking, entrance and reception areas, clinical and therapeutic spaces, engineering considerations and cost information. It also includes case studies of four different settings and a patient's perspective of using the services of a rehabilitation unit. This publication supersedes the previous edition ISBN 0113224516 published in 2000.

**Facilities for Mortuary and Post-mortem Room Services** NHS Estates, 2005. This publication contains guidance to NHS organisations on planning and designing comprehensive mortuary and post-mortem facilities including accommodation for the receipt, storage, viewing and removal of bodies, post-mortem examinations, visiting relatives and friends, staff support facilities, teaching and research. This third edition of the publication builds on and replaces the second edition published in 2001. ISBN 0113224605.

## Unveiling the Power of Verbal Artistry: An Emotional Sojourn through **Cibse Lighting Guide Hospitals Health Care Buildings**

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