

## BUILDING LIGHTING LEVELS

CIBSE, the Chartered Institution of Building Services Engineers, acts as a professional body for lighting in the Ireland and produces a series of guidelines giving optimum lighting requirements for a wide range of environments.

Illuminance (LUX)	Activity	Area
100	Casual seeing	Corridors, changing rooms, stores
150	Some perception of detail	Loading bays, switch rooms, plant rooms
200	Continuously occupied	Foyers, entrance halls, dining rooms
300	Visual tasks moderately easy	Libraries, sports hall, lecture theatres
500	Visual tasks moderately difficult	General offices, kitchens, laboratories, retails shops
750	Visual tasks difficult	Drawing offices, meat inspection, chain stores
1000	Visual tasks very difficult	General inspections, electronic assembly, paintwork, supermarkets
1500	Visual tasks extremely difficult	Fine work and inspection, precision assembly
2000	Visual tasks exceptionally difficult	Assembly of minute items, finished fabric inspection

### Educational

Area	LUX
Classrooms	300
Technical Drawing Rooms	750
Computer rooms	300

### Hotels & Restaurants

Area	LUX
Kitchen	500
Restaurant, dining room	300
Self-service restaurant	750
Conference room	300

### Residential - Flats

Area	LUX
Lounge	100 - 300
Kitchen	150 - 300
Bathrooms	150
Toilets	100

### Industrial Environment

Area	LUX
Lifts, Toilets	100
Corridors & Stairs	100
Canteens	300
Plant rooms	150 - 300
Stores	100

### Retails Premises

Area	LUX
Sales Area	300
Till Area	500
Wrapper Table	500

### Healthcare - Wards

Area	LUX
General Lighting	100
Reading Lighting	300
Simple Examinations	300
Examinations & Treatment	1000

### Offices

Area	LUX
Filing, Copying, etc.	300
Writing, Typing, Reading	500
Technical Drawing	500
CAD Work Station	500
Reception	300



**Smart Building Systems**