

Illuminance Schedules

The below schedule is taken directly from EN 12464 : Lighting of Workplaces and lists values of average maintained illuminance over the task area on the reference surface. The illuminance of immediate surrounding areas shall be related to the illuminance of the task area and should provide a well-balanced luminance distribution in the field of view.

Large spatial variations in illuminances around the task area may lead to visual stress and discomfort. The illuminance of the immediate surrounding areas may be lower than the task illuminance but shall be not less than the values given in Table 1.

Table 1 — Uniformities and relationship of illuminances of immediate surrounding areas to task area

Task illuminance lx	Illuminance of immediate surrounding areas lx
≥ 750	500
500	300
300	200
≤ 200	E_{task}
Uniformity: ≥ 0,7	Uniformity: ≥ 0,5

200 lux is also specified by the HSE as the minimum permitted average illuminance in a permanently occupied space.

Type of Space/Activity	Lux ⁽¹⁾	LGR/UGR ⁽²⁾	R ^a ⁽³⁾
+ HEALTHCARE PREMISES - GENERAL			
Waiting Rooms	200	22	80
Corridors : Day Use	200	22	80
Corridors : Night Use	50	22	80
Day Rooms	200	22	80
Staff Offices	500	19	80
Staff Rooms	300	19	80
+ HEALTHCARE PREMISES - WARDS			
General Lighting	100	19	80
Reading Lighting	300	19	80
Simple Examinations	300	19	80
Examination & Treatment	1000	19	80
Night Lighting, Observation Lighting	5	-	80
Bathrooms & Toilets for Patients	200	22	80
GENERAL AREAS			
Lifts	100	-	-
Atria - General Circulation	50-200	22	-
Atria - Plant Growth	500-3000	-	-
Reprographic Room	300	19	80
Plant Rooms & Switchgear Rooms	200	25	60
Cable Flats	50	-	-

Type of Space/Activity	Lux ⁽¹⁾	LGR/UGR ⁽²⁾	R ^a ⁽³⁾
OFFICES			
Filing, Copying, etc	300	19	80
Writing, Typing, Reading, Data Processing	500	19	80
Technical Drawing	750	16	80
CAD Work Stations	500	19	80
Conference & Meeting Rooms	500	19	80
Reception Desk	300	22	80
Archives	200	25	80

Type of Space/Activity	Lux ⁽¹⁾	LGR/UGR ⁽²⁾	R ^a ⁽³⁾
EDUCATIONAL BUILDINGS			
Classrooms, Tutorial Rooms	300	19	80
Classrooms for Evening Classes & Adult Education	500	19	80
Lecture Halls	500	19	80
Black boards	500	19	80
Demonstration Tables	500/750*	19	80
Art Rooms	500	19	80
Art Rooms in Art Schools	750	19	90
Technical Drawing Rooms	750	16	80
Practical Rooms & Laboratories	500	19	80
Handicraft Rooms	500	19	80
Teaching workshops	500	19	80
Music Practice Rooms	300	19	80
Computer Practice Rooms	300	19	80
Language Laboratories	300	19	80
Preparation Rooms & Workshops	500	22	80
Entrance Halls	200	22	80
Circulation Areas, Corridors	100	25	80
Stairs	150	25	80
Student Common Rooms & Assembly Halls	200	22	80
Teachers Rooms	300	19	80
Stock rooms for Teaching Materials	100	25	80
Sports Halls, Gymnasiums, Swimming Pools	300	22	80
School Canteens	200	22	80
Kitchens	500	22	80