

Artificial lighting, recommended values for lighting parameters for indoor and outdoor workspaces comply with DIN 5035

No.	Type of interior and/or task	E (LUX)
1	General spaces	
1-1	Warehousing	
1-1-1	Warehouses for goods of one kind or of large unit size	50
1-1-2	Warehouses for goods of different kinds and search and retrieval tasks	100
1-1-3	Warehouse for reading tasks	200
1-2	Building services installations	
1-2-1	Machine rooms	100
2	Offices and similar rooms	
2-1	Offices with daylight-oriented workplaces	300
2-2	Offices	500
2-3	Technical drawing office	750
2-4	Conference and consultation rooms	300
2-5	Reception rooms	100
3	Chemical industry	
3-1	Measuring stations, control platforms and observations posts	300
3-2	Laboratories; pharmaceutical packing rooms	300
3-3	Particular exacting visual tasks	500
3-4	Color matching	1000
4	Cement industry, glass works and pottery	
4-1	Workplaces or zones at furnaces / kilns and...	200
4-2	Enamelling, rolling, pressing, moulding of simple parts; glazing; glass blowing	300
4-3	Grinding, etching, glass polishing; precision moulding	500
4-4	Coloring and decorating	500
4-5	Grinding lenses, crystal glassware	750
4-6	Precision work	1000
5	Power station	
5-1	Boiler room	100
5-2	Pressure equalizing chamber in nuclear power stations	200
5-3	Machine rooms	100
5-4	Ancillary rooms, e.g. pump or condenser rooms	50
5-5	Control rooms	300
5-6	Maintenance work on turbine and generator	500
6	Metal working and finishing	
6-1	Hammer-forging of small parts	200
6-2	Welding	300
6-3	Machining centers; automatic or semi-automatic plant	300
6-4	Rough and medium machining tasks, with permissible deviations greater than 0.1mm	300
6-5	Precision machining tasks, with permissible deviations less than 0.1mm	500
6-6	Robot-equipped workplaces	300
6-7	Laying out and control work places; measuring stations	750
6-8	Cold rolling mills	200
6-9	Manufacture of hand tools and cutlery	500
6-10	Machining and working of sheet metals	300
6-11	Drop forging	200
6-12	Die casting works	300
6-13	Tool, gauge jig manufacture; precision mechanics; high precision assembly	1000
6-14	Assembly	
6-14-1	Low precision	200
6-14-2	Medium precision	300
6-14-3	High precision	500
6-15	Foundries	
6-15-1	Platforms	100
6-15-2	Sand preparation	200
6-15-3	Dressing room	300
6-15-4	Core moulding	300
6-16	Surface treatment	
6-16-1	Electroplating	300
6-16-2	Priming, painting, varnishing	500
6-16-3	Inspection areas	750
7	Electrical engineering industry	
7-1	Cable manufacture; varnishing, simple assembly tasks	300
7-2	Assembly of telephones and small motors	500
7-3	Assembly of precision devices; radio and television sets; fabrication of fuses; Testing and calibration tasks	1000
7-4	Assembly of high-precision parts and of electronic components	1500

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8	Woodworking	
8-1	Saw mills	200
8-2	Bench work, glueing, assembly	300
8-3	Pattern making shop; polishing; varnishing	500
8-4	Turning, chamfering, dressing, rabbeting, slotting, cutting, sawing, sinking	500
8-5	Surface finishing	500
9	Food industry	
9-1	Washing, filling in barrels, sieving, peeling, cooking, boiling	200
9-2	Packing, grinding, mixing	300
9-3	Butcher's stores, dairies, mills and filter beds	300
9-4	Cutting and storing of fruit and vegetables	300
9-5	Kitchens	500
9-6	Inspection of glass jars and product control; garnishing, decorating, and storing	500
9-7	Color matching; laboratories	1000
10	Wholesale and retail trade	
10-1	Sale areas	300
10-2	Cash desks	500
11	Manufacture and processing of textile	
11-1	Combing, washing, ironing, drawing	300
11-2	Dyeing	300
11-3	Wrapping, twisting, braiding, knitting, and weaving	500
11-4	Millinery	750
11-5	Burling	1000
11-6	Goods inspection, color matching	1000
12	Paper industry, printing	
12-1	Standard bookbinding; wallpaper printing	300
12-2	Trimming, gilding	500
12-3	Hand printing	750
12-4	Retouching	1000
12-5	Color control in multicolored printing	1500
13	Leather industry	
13-1	Work at vats, tubs	200
13-2	Scraping, splitting, smoothing	300
13-3	Polishing, pressing, cutting to size, punching, shoe manufacture	500
13-4	Leather dyeing	750
13-5	Quality control	
13-5-1	Medium standard	750
13-5-2	High standard	1000
13-5-3	Very high standard	1500
13-6	Color matching	1000
14	Plastics processing	
14-1	Injection moulding	500
14-2	Compression moulding	300
14-3	Blowing	300
15	Services enterprises	
15-1	Hotels and restaurants	
15-1-1	Reception	200
15-1-2	Kitchens	500
15-1-3	Dining rooms	200
15-1-4	Conference rooms	300
15-1-5	Self-service restaurants	300
15-2	Laundries and dry cleaners	
15-2-1	Machine ironing	300
15-2-2	Ironing by hand	300
15-2-3	Sorting	300
15-2-4	Stain removal inspection	1000
15-3	Hairdressing	500