

AS1680 Lux Level Requirements				
Class of task		Recommended maintained Illuminance (lx) ESS Required Plus 20%	Characteristics of the activity/interior	Representative activities/interiors
Below Normal range of tasks and work places	Movement and Orientation	40 50	Interior rarely visited with visual tasks limited to movement and orientation	Corridors; cable tunnels; indoor storage tanks; walkways
	Rough intermittent	80 100	Interiors requiring intermittent use with visual tasks limited to movement, orientation and course detail	Staff change rooms; live storage of bulky materials; dead storage of materials needing care; locker rooms; loading bays
Normal range of tasks and work places	Simple	160 200	Any continuously occupied interior where there are no tasks requiring perception of other than course detail. Occasional reading of clearly printed documents for short periods	Waiting rooms; staff canteens; rough checking stock; rough bench and machine work; entrance halls; general fabrication of structural steel; casting concrete; automated process monitoring; turbine halls
	Ordinary or moderately easy	240 300	Continuously occupied interiors with moderately easy visual tasks with high contrasts or large detail (<10 min arc)	School chalkboard and charts; medium woodworking; food preparation; counters for transactions.
	Moderately difficult (Routine)	320 400	Areas where visual tasks are moderately difficult with moderate detail (5-10 min arc or tolerances to 125µm) or with low contrast	Routine office tasks, e.g. reading, writing, typing, enquiry desks
	Moderately difficult (Medium)	400 500		Inspection of medium work; fine woodwork; car assembly
	Difficult	600 750	Areas where visual tasks are difficult with small detail (3-5 min arc or tolerances to 25µm) or with low contrast	Drawing boards; most inspection tasks; proofreading; fine machine work; fine painting and finishing; colour matching
	Very difficult	800 1000	Areas where visual tasks are very difficult with very small detail (2-3 min arc) or with very low contrast	Fine inspection; paint retouching; fine manufacture; grading of dark materials; colour matching of dyes
Above Normal range of tasks and work places	Extremely difficult	1,200 1500	Areas where visual tasks are extremely difficult with extremely small detail (1-2 min arc or tolerances below 25µm) or of low contrast. Visual aids may assist	Graphic arts inspection; hand tailoring; fine die sinking; inspection of dark goods; extra- fine bench work
	Exceptionally difficult	1,600 2000	Areas where visual tasks are exceptionally difficult with exceptionally small detail (<1 min arc) or with very low contrasts. Visual aids will be of advantage	Finished fabric inspection; assembly of minute mechanisms, jewellery and watchmaking