

VEET Commercial Lighting

1.1 MINIMUM ILLUMINANCE REQUIREMENTS

Choose the minimum lux level required based on the task being performed in the area:

AS1680 Minimum Illuminance	Task
40	Corridors, cable tunnels, indoor storage tanks, walkways
80	Change rooms, loading bays, bulky storage, dead storage of materials needing care, locker rooms
160	Simple tasks. Waiting rooms, staff canteens, rough bench & machine work, general fabrication of structural steel, entrance halls, casting concrete, automated process monitoring, turbine halls, dining areas, continuously occupied interiors.
240	Moderately easy tasks. School chalkboards and charts. Food preparation areas. Medium woodworking. Counters for transactions General retail products with lower illuminance requirements. Eg clothing racks
320	Moderately difficult tasks. Routine office work. Retail requiring reading/writing.
400	Moderately difficult tasks. Fine woodwork. Car assembly.
600	Difficult tasks. Drawing boards, inspection tasks, fine machine work, fine painting & finishing, colour matching.
800	Very difficult tasks. Fine inspection tasks, colour matching of dyes. Fine manufacture, grading of dark materials.
1200	Extremely difficult tasks. Graphic arts inspection, extra fine bench work, hand tailoring, fine die sinking, inspection of dark goods.
1600	Exceptionally difficult tasks. Jewellery, watch making, finished fabric inspection, assembly of minute mechanisms.

1.2 GRID MEASUREMENT GUIDELINES

Use the following guidelines to mark out your measurement grid:

- Take readings at one metre intervals at the working plane.
- If lighting is uniform – mark a 3 x 3 metre grid (ie 9 measurement points).
- If not uniform - measure at each 1 metre grid point across a representative area.
- If narrow space (eg corridor) then measure down centre at one metre intervals.
- Do not align measurements to lamp grid / array.
- Where many spaces have the same layout, measure 2 or 3 rooms (no need to measure all of them).

1.3 LUX DATA COLLECTION SHEET

For each location number on your lighting layout, write the corresponding lux reading here. When complete, take a clear photo of this sheet and submit as evidence.

Location	Lux Reading	Location	Lux Reading	Location	Lux Reading
1		21		41	
2		22		42	
3		23		43	
4		24		44	
5		25		45	
6		26		46	
7		27		47	
8		28		48	
9		29		49	
10		30		50	
11		31		51	
12		32		52	
13		33		53	
14		34		54	
15		35		55	
16		36		56	
17		37		57	
18		38		58	
19		39		59	
20		40		60	