

LIGHTING CALCULATIONS: REQUIRED ILLUMINANCE FOR DIFFERENT AREAS

Educational	Illuminance (lux)	Minimum colour rendering (R _a)	Residential	Illuminance (lux)	Minimum colour rendering (R _a)
Classrooms	300	80	Lounge	100 - 300	80
Technical drawing room	750	80	Kitchens	150 - 300	80
Computer practice rooms	300	80	Bathrooms	150	80
			Toilets	100	80

Health Care	Illuminance (lux)	Minimum colour rendering (R _a)	Retail	Illuminance (lux)	Minimum colour rendering (R _a)
General lighting	100	80	Sales area	300	80
Reading lighting	300	80	Till area	500	80
Simple examinations	300	80	Wrapper table	500	80
Examination and treatment	1000	80			

Hotel & Restaurants	Illuminance (lux)	Minimum colour rendering (R _a)	Theaters Concert Halls Cinema	Illuminance (lux)	Minimum colour rendering (R _a)
Kitchen	500	80	Practice rooms, dressing rooms	300	80
Restaurant, dining room, function room.	-	80	Foyers	200	-
Self service restaurant	200	80	Auditoria	100	-
Conference rooms	500	80			

Offices	Illuminance (lux)	Minimum colour rendering (R _a)
Filing, copying etc.	300	80
Writing, typing, reading, data processing	500	80
Technical drawing	750	80
CAD work stations	500	80
Conference and meeting rooms	500	80
Reception desk	300	80
Archives	200	80

Industrial Environment	Illuminance (lux)
Lifts	100
Corridors and stairs	100
Toilets	100
Canteens	300
Mess rooms	150 - 300
Plant rooms	150 - 300
Store rooms	100