

# LUX CALCULATION

FLOOR	S.N.	TYPES OF SPACE	AREA (mm^2)	REQUIRE D LUX	BULB WATTAGE( W)	BULB EFFICIENCY	BULB LUMEN	μ <sub>m</sub>	μ <sub>u</sub>	N0. OF LUMINARIES
GROUND FLOOR	1	Foyer	22.15	150	20	100	2000	0.8	0.8	2.595703125
	2	Foyer	50	150	20	100	2000	0.8	0.8	5.859375
	3	Cash Counter	11.1	200	20	100	2000	0.8	0.8	1.734375
	4	Emergency Ward	54	200	36	100	3600	0.8	0.8	4.6875
	5	Nurse Station	7.1	200	15	100	1500	0.8	0.8	1.479166667
	6	Nurse Room	6.2	200	15	100	1500	0.8	0.8	1.291666667
	7	Foyer	12.71	150	40	100	4000	0.8	0.8	0.744726563
	8	Doctor's Room	10.98	250	36	100	3600	0.8	0.8	1.19140625
	9	Isolated Observation	8.8	200	15	100	1500	0.8	0.8	1.833333333
	10	Back Office	6.15	200	20	100	2000	0.8	0.8	0.9609375
	11	Front Desk	9.12	200	20	100	2000	0.8	0.8	1.425
	12	Minor OT **	21.89	200	36	100	3600	0.8	0.8	1.900173611
	13	Sample Collection	11.62	200	15	100	1500	0.8	0.8	2.420833333
	14	Pathology Lab	16.47	150	100	100	10000	0.8	0.8	0.386015625
	15	Delivery Room	29.61	250	15	100	1500	0.8	0.8	7.7109375
	16	Clean Utility Room	8.7	300	15	100	1500	0.8	0.8	2.71875
	17	Neonatal Stabilization	17.37	150	15	100	1500	0.8	0.8	2.7140625
	18	Nurse Room	5.3	200	15	100	1500	0.8	0.8	1.104166667
	19	Nurse Station	5.3	200	15	100	1500	0.8	0.8	1.104166667
	20	Doctor's Room	8.16	250	20	100	2000	0.8	0.8	1.59375
	21	Waiting Area	35.414	150	40	100	4000	0.8	0.8	2.075039063
	22	DOTS Clinic	22.14	250	36	100	3600	0.8	0.8	2.40234375
	23	Back Office	12.86	200	15	100	1500	0.8	0.8	2.679166667
	24	Front Desk	9.39	200	15	100	1500	0.8	0.8	1.95625
	25	Foyer	36.584	150	40	100	4000	0.8	0.8	2.14359375
	26	Pharmacy	11.28	250	36	100	3600	0.8	0.8	1.223958333
	27	Store	5.87	200	15	100	1500	0.8	0.8	1.222916667
	28	Control Room	6.3	200	15	100	1500	0.8	0.8	1.3125
	29	X-Ray Room	18.18	200	15	100	1500	0.8	0.8	3.7875
	30	Labour Room	29.81	150	15	100	1500	0.8	0.8	4.6578125
	31	Scrub Area	3.57	200	6	100	600	0.8	0.8	1.859375
	32	Operation Theatre	42.9	200	36	100	3600	0.8	0.8	3.723958333
	33	Sluice	5.87	200	15	100	1500	0.8	0.8	1.222916667
	34	Clean Utility Room	5.9	200	15	100	1500	0.8	0.8	1.229166667
FIRST FLOOR	35	Foyer	33.7	150	40	100	4000	0.8	0.8	1.974609375
	36	Foyer	70.46	150	40	100	4000	0.8	0.8	4.128515625
	37	Doctor's Room	7.36	200	20	100	2000	0.8	0.8	1.15
	38	Nurse Station	10.89	150	15	100	1500	0.8	0.8	1.7015625
	39	Foot Operative 3 bed	35.18	250	36	100	3600	0.8	0.8	3.817274306
	40	General Ward 8 bed	77.4	200	36	100	3600	0.8	0.8	6.71875
	41	Single Cabin	9.62	200	15	100	1500	0.8	0.8	2.004166667
	42	Nurse Room	17.04	200	15	100	1500	0.8	0.8	3.55
	43	Observation Room	36.74	200	15	100	1500	0.8	0.8	7.654166667
	44	Nurse Station	16.58	200	15	100	1500	0.8	0.8	3.454166667
	45	Foyer	63.19	150	40	100	4000	0.8	0.8	3.702539063
	46	General Clinic	22.12	250	36	100	3600	0.8	0.8	2.400173611
	47	Treatment/ Dressing Room	22.12	250	36	100	3600	0.8	0.8	2.400173611
	48	Fp Consultant	37.35	200	36	100	3600	0.8	0.8	3.2421875
	49	Echo TMT Ultrasound	27.28	250	20	100	2000	0.8	0.8	5.328125
	50	Dental Clinic	29.75	250	36	100	3600	0.8	0.8	3.228081597
	51	Discussion Area	15.36	200	20	100	2000	0.8	0.8	2.4
	52	Preparation Area	15.121	200	20	100	2000	0.8	0.8	2.36265625
	53	Sluice	5.87	200	15	100	1500	0.8	0.8	1.222916667
	54	Operation Theatre	36.5	200	36	100	3600	0.8	0.8	3.168402778
	55	Store	10.73	200	15	100	1500	0.8	0.8	2.235416667
SECOND FLOOR	56	Chemical Store	5.78	250	15	100	1500	0.8	0.8	1.505208333
	57	Foyer	33.7	150	40	100	4000	0.8	0.8	1.974609375
	58	Foyer	70.46	150	40	100	4000	0.8	0.8	4.128515625
	59	Doctor's Room	7.36	200	20	100	2000	0.8	0.8	1.15
	60	Nurse Station	10.89	150	15	100	1500	0.8	0.8	1.7015625
	61	Foot Operative 3 bed	35.18	250	36	100	3600	0.8	0.8	3.817274306
	62	General Ward 8 bed	77.4	200	36	100	3600	0.8	0.8	6.71875
	63	Single Cabin	9.62	200	15	100	1500	0.8	0.8	2.004166667
	64	Washing Area	39.5	150	15	100	1500	0.8	0.8	6.171875
	65	Store and Drying	14.96	200	15	100	1500	0.8	0.8	3.116666667
	66	Issue Packing Ironing	29.86	200	15	100	1500	0.8	0.8	6.220833333
	67	Store/Mechanical Room	25.5	200	15	100	1500	0.8	0.8	5.3125
	68	Autoclave	17.14	200	15	100	1500	0.8	0.8	3.570833333