

Luminaire list (Building 1, Storey 2)								
Index	Manufacturer	Article name	Item number	Fitting	Luminous flux	Light loss factor	Connected load	Quantity
1	ESSYSTEM	KTEG LED S97 LED 830 5500lm DMPR 51W RAL9016 DRV	5953401	1x LED	5500 lm	0.80	51 W	122
2	MPE	LED Downlight White Square Surface 48W 6500K	SSDL-48T	1x SSDL-48T	4320 lm	0.80	48 W	37
3	WHITECROFT	DTFN ELITE LED THEATRE	D9NGKY14K	1x LED	11485 lm	0.80	134.3 W	10
4	LIGHTNET	Matric 55mm Wall Direct D3	LD30EE-830H-L1765	1x LED	6049 lm	0.80	62 W	33

#	Name	Parameter	Min	Max	Average	Min/average	Min/max
1	Workplane (Medical Ward Women)	Perpendicular illuminance (Adaptive)	11.0 lx	477 lx	193 lx	0.057	0.023
2	Workplane (Surgical Ward toilet)	Perpendicular illuminance (Adaptive)	119 lx	246 lx	188 lx	0.63	0.48
3	Workplane (Surgical Ward)	Perpendicular illuminance (Adaptive)	20.9 lx	457 lx	169 lx	0.12	0.046
4	Workplane (Garbage-1)	Perpendicular illuminance (Adaptive)	75.6 lx	133 lx	108 lx	0.70	0.57
5	Workplane (Medical Ward Men)	Perpendicular illuminance (Adaptive)	23.8 lx	493 lx	199 lx	0.12	0.048
6	Workplane (Medical Ward Men Toilet)	Perpendicular illuminance (Adaptive)	95.2 lx	132 lx	116 lx	0.82	0.72
7	Workplane (Gynecology Ward Toilet)	Perpendicular illuminance (Adaptive)	95.0 lx	132 lx	116 lx	0.82	0.72
8	Workplane (Gynecology Ward)	Perpendicular illuminance (Adaptive)	17.3 lx	463 lx	162 lx	0.11	0.037
9	Workplane (Pediatric Ward)	Perpendicular illuminance (Adaptive)	0.81 lx	492 lx	158 lx	0.005	0.002
10	Workplane (Kids Playing Room)	Perpendicular illuminance (Adaptive)	22.5 lx	496 lx	307 lx	0.073	0.045
11	Workplane (Nurse Station)	Perpendicular illuminance (Adaptive)	23.2 lx	517 lx	272 lx	0.085	0.045
12	Workplane (Room 127)	Perpendicular illuminance (Adaptive)	0.00 lx	0.00 lx	0.00 lx	–	–
13	Workplane (Room 128)	Perpendicular illuminance (Adaptive)	0.00 lx	0.00 lx	0.00 lx	–	–
14	Workplane (Staff Rest Room-1)	Perpendicular illuminance (Adaptive)	78.2 lx	237 lx	163 lx	0.48	0.33
15	Workplane (Pediatric Ward toilet)	Perpendicular illuminance (Adaptive)	83.3 lx	133 lx	112 lx	0.74	0.63
16	Workplane (Hngout Male toilet)	Perpendicular illuminance (Adaptive)	116 lx	132 lx	125 lx	0.93	0.88
17	Workplane (Hngout Male toilet)	Perpendicular illuminance (Adaptive)	119 lx	132 lx	126 lx	0.94	0.90
18	Workplane (Hngout Male toilet)	Perpendicular illuminance (Adaptive)	85.5 lx	132 lx	113 lx	0.76	0.65
19	Workplane (Hngout Female toilet)	Perpendicular illuminance (Adaptive)	85.5 lx	132 lx	113 lx	0.76	0.65
20	Workplane (Hngout Female toilet)	Perpendicular illuminance (Adaptive)	116 lx	132 lx	125 lx	0.93	0.88
21	Workplane (Hangout Female Toilet)	Perpendicular illuminance (Adaptive)	119 lx	132 lx	126 lx	0.94	0.90
22	Workplane (Equipment Stor)	Perpendicular illuminance (Adaptive)	81.4 lx	133 lx	111 lx	0.73	0.61
23	Workplane (Janitor Closet)	Perpendicular illuminance (Adaptive)	82.8 lx	133 lx	112 lx	0.74	0.62
24	Workplane (Dirty Utilities-1)	Perpendicular illuminance (Adaptive)	94.6 lx	132 lx	116 lx	0.82	0.72
25	Workplane (Clean Utilities-1)	Perpendicular illuminance (Adaptive)	104 lx	133 lx	120 lx	0.87	0.78

26	Workplane (Medical Store)	Perpendicular illuminance (Adaptive)	108 lx	133 lx	123 lx	0.88	0.81
27	Workplane (Medical Preparation)	Perpendicular illuminance (Adaptive)	157 lx	246 lx	207 lx	0.76	0.64
28	Workplane (Room 143)	Perpendicular illuminance (Adaptive)	3.80 lx	76.5 lx	22.2 lx	0.17	0.050
29	Workplane (Staff Lounge)	Perpendicular illuminance (Adaptive)	63.8 lx	521 lx	331 lx	0.19	0.12
30	Workplane (Staff Lounge Toilet-1)	Perpendicular illuminance (Adaptive)	96.5 lx	247 lx	174 lx	0.55	0.39
31	Workplane (Collection Area)	Perpendicular illuminance (Adaptive)	79.2 lx	237 lx	162 lx	0.49	0.33
32	Workplane (Dirty Utilities-2)	Perpendicular illuminance (Adaptive)	106 lx	237 lx	177 lx	0.60	0.45
33	Workplane (Sub Sterile)	Perpendicular illuminance (Adaptive)	234 lx	715 lx	492 lx	0.48	0.33
34	Workplane (Equipment Store)	Perpendicular illuminance (Adaptive)	52.9 lx	133 lx	103 lx	0.51	0.40
35	Workplane (Dirty Linen)	Perpendicular illuminance (Adaptive)	52.1 lx	133 lx	102 lx	0.51	0.39
36	Workplane (Operation Theatre)	Perpendicular illuminance (Adaptive)	618 lx	1352 lx	1153 lx	0.54	0.46
37	Workplane (Changing-1)	Perpendicular illuminance (Adaptive)	103 lx	237 lx	176 lx	0.59	0.43
38	Workplane (Scrub Up-1)	Perpendicular illuminance (Adaptive)	238 lx	723 lx	498 lx	0.48	0.33
39	Workplane (Preparation)	Perpendicular illuminance (Adaptive)	179 lx	647 lx	447 lx	0.40	0.28
40	Workplane (Recovery Room)	Perpendicular illuminance (Adaptive)	24.0 lx	471 lx	196 lx	0.12	0.051
41	Workplane (Air Lock)	Perpendicular illuminance (Adaptive)	168 lx	609 lx	425 lx	0.40	0.28
42	Workplane (Toilet)	Perpendicular illuminance (Adaptive)	116 lx	132 lx	125 lx	0.93	0.88
43	Workplane (Toilet)	Perpendicular illuminance (Adaptive)	116 lx	132 lx	126 lx	0.92	0.88
44	Workplane (Toilet)	Perpendicular illuminance (Adaptive)	77.6 lx	132 lx	108 lx	0.72	0.59
45	Workplane (Garbage-2)	Perpendicular illuminance (Adaptive)	70.1 lx	133 lx	105 lx	0.67	0.53
46	Workplane (Dirty Utilities-3)	Perpendicular illuminance (Adaptive)	58.3 lx	133 lx	98.6 lx	0.59	0.44
47	Workplane (Clean Utilities-2)	Perpendicular illuminance (Adaptive)	93.2 lx	132 lx	115 lx	0.81	0.71
48	Workplane (Equipment Room)	Perpendicular illuminance (Adaptive)	92.3 lx	132 lx	115 lx	0.80	0.70
49	Workplane (Delivery Suite)	Perpendicular illuminance (Adaptive)	173 lx	1251 lx	842 lx	0.21	0.14
50	Workplane (Scrub Up-2)	Perpendicular illuminance (Adaptive)	419 lx	755 lx	629 lx	0.67	0.55

51	Workplane (Clean Utilities-3)	Perpendicular illuminance (Adaptive)	164 lx	237 lx	204 lx	0.80	0.69
52	Workplane (Striple Store)	Perpendicular illuminance (Adaptive)	386 lx	756 lx	616 lx	0.63	0.51
53	Workplane (Staff Lounge-2)	Perpendicular illuminance (Adaptive)	108 lx	388 lx	246 lx	0.44	0.28
54	Workplane (Staff Lounge Toilet-2)	Perpendicular illuminance (Adaptive)	99.9 lx	132 lx	119 lx	0.84	0.76
55	Workplane (Changing-2)	Perpendicular illuminance (Adaptive)	233 lx	376 lx	322 lx	0.72	0.62
56	Workplane (Pre Delivery Suite Toilet)	Perpendicular illuminance (Adaptive)	95.9 lx	132 lx	117 lx	0.82	0.73
57	Workplane (Pre Delivery Suite)	Perpendicular illuminance (Adaptive)	13.4 lx	471 lx	205 lx	0.065	0.028
58	Workplane (Neonatal Carae Unit)	Perpendicular illuminance (Adaptive)	23.8 lx	471 lx	196 lx	0.12	0.051
59	Workplane (Mother Feeding)	Perpendicular illuminance (Adaptive)	123 lx	246 lx	190 lx	0.65	0.50
60	Workplane (Dirty Utilities-3)	Perpendicular illuminance (Adaptive)	92.5 lx	132 lx	115 lx	0.80	0.70
61	Workplane (Nursing Station-2)	Perpendicular illuminance (Adaptive)	27.8 lx	515 lx	289 lx	0.096	0.054
62	Workplane (Medical Store-2)	Perpendicular illuminance (Adaptive)	280 lx	442 lx	369 lx	0.76	0.63
63	Workplane (Medical Preparation-2)	Perpendicular illuminance (Adaptive)	256 lx	441 lx	356 lx	0.72	0.58
64	Workplane (Room 179)	Perpendicular illuminance (Adaptive)	0.00 lx	0.00 lx	0.00 lx	–	–
65	Workplane (Room 180)	Perpendicular illuminance (Adaptive)	0.00 lx	0.00 lx	0.00 lx	–	–
66	Workplane (Clean Utilities-3)	Perpendicular illuminance (Adaptive)	93.2 lx	132 lx	115 lx	0.81	0.71
67	Workplane (Equipment Room-3)	Perpendicular illuminance (Adaptive)	92.3 lx	132 lx	115 lx	0.80	0.70
68	Workplane (IC Unit 2)	Perpendicular illuminance (Adaptive)	461 lx	1013 lx	765 lx	0.60	0.46
69	Workplane (Isolation IC)	Perpendicular illuminance (Adaptive)	269 lx	913 lx	667 lx	0.40	0.29
70	Workplane (IC Unit-3)	Perpendicular illuminance (Adaptive)	393 lx	1143 lx	845 lx	0.47	0.34
71	Workplane (IC Unit-1)	Perpendicular illuminance (Adaptive)	481 lx	1056 lx	793 lx	0.61	0.46
72	Workplane (ICU Toilet)	Perpendicular illuminance (Adaptive)	111 lx	247 lx	184 lx	0.60	0.45
73	Workplane (Room 188)	Perpendicular illuminance (Adaptive)	0.00 lx	0.00 lx	0.00 lx	–	–
74	Workplane (Medical Preparation-3)	Perpendicular illuminance (Adaptive)	254 lx	441 lx	355 lx	0.72	0.58
75	Workplane (Medical Store-3)	Perpendicular illuminance (Adaptive)	278 lx	442 lx	368 lx	0.76	0.63
76	Workplane (ICU Station)	Perpendicular illuminance (Adaptive)	50.8 lx	623 lx	364 lx	0.14	0.082
77	Workplane (Room 192)	Perpendicular illuminance (Adaptive)	0.00 lx	42.1 lx	0.73 lx	0.00	0.00
78	Workplane (Main Corridor and Hangout Place)	Perpendicular illuminance (Adaptive)	2.57 lx	389 lx	213 lx	0.012	0.007
79	Workplane (Medical Ward Women Toilet)	Perpendicular illuminance (Adaptive)	137 lx	245 lx	195 lx	0.70	0.56


Notes-

1. This is the general requirement for the Lighting system. Contractor must provide the Power system distribution of lights switches and locations , schematic diagrams and other relevant details as per the given drawings and documents.
2. Contractor must coordinate locations of terminal units with other ceiling mounted equipments.

[illegible]

FIRST FLOOR LIGHTING SCHEDULE

SCALE 1:100



0m 5m