Luminaire list (Building 1, Storey 1)								
Index	Manufacturer	Article name	Item number	Fitting	Luminous flux	Light loss factor	Connected load	Quantity
1	ESSYSTEM	KTEG LED 597.LED 830 5500lm DMPR 51W RAL9016 DRV	5953401	1x LED	5500 lm	0.80	51 W	240
2	MPE	LED Downlight White Square Surface 48W 6500K	SSDL-48T	1x SSDL-48T	4320 lm	0.80	48 W	57
3	ASTZ	LSP44-2x54-011	–	2x FL T5 G5 54W 4450lm	8900 lm	0.80	116 W	2
4	LIGHTNET	Matric 55mm Wall Direct D3	LD30EE-830H-L1765	1x LED	6049 lm	0.80	62 W	34

#	Name	Parameter	Min	Max	Average	Min/average	Min/max
1	Workplane (Micro Biology)	Perpendicular illuminance (Adaptive)	356 lx	809 lx	591 lx	0.60	0.44
2	Workplane (Laboratory)	Perpendicular illuminance (Adaptive)	345 lx	978 lx	742 lx	0.46	0.35
3	Workplane (Labatorary Staff Pantry)	Perpendicular illuminance (Adaptive)	134 lx	238 lx	187 lx	0.72	0.56
4	Workplane (Lab Dirty Utilities)	Perpendicular illuminance (Adaptive)	104 lx	131 lx	123 lx	0.85	0.79
5	Workplane (Room 5)	Perpendicular illuminance (Adaptive)	0.00 lx	0.00 lx	0.00 lx	–	–
6	Workplane (Lab Toilet Entry)	Perpendicular illuminance (Adaptive)	117 lx	131 lx	125 lx	0.94	0.89
7	Workplane (Lab Garbage)	Perpendicular illuminance (Adaptive)	71.0 lx	132 lx	107 lx	0.66	0.54
8	Workplane (Blood Storage)	Perpendicular illuminance (Adaptive)	104 lx	132 lx	120 lx	0.87	0.79
9	Workplane (Lab Waiting Area)	Perpendicular illuminance (Adaptive)	242 lx	886 lx	631 lx	0.38	0.27
10	Workplane (ER-Patient Toilet)	Perpendicular illuminance (Adaptive)	181 lx	250 lx	218 lx	0.83	0.72
11	Workplane (Nurse Station and ER)	Perpendicular illuminance (Adaptive)	14.9 lx	1011 lx	805 lx	0.019	0.015
12	Workplane (ER-Medical Preparation)	Perpendicular illuminance (Adaptive)	102 lx	132 lx	119 lx	0.86	0.77
13	Workplane (ER-Medical Store)	Perpendicular illuminance (Adaptive)	106 lx	132 lx	121 lx	0.88	0.80
14	Workplane (ER-Dirty Utilities)	Perpendicular illuminance (Adaptive)	106 lx	132 lx	121 lx	0.88	0.80
15	Workplane (ER-Clean Utilities)	Perpendicular illuminance (Adaptive)	98.6 lx	132 lx	117 lx	0.84	0.75
16	Workplane (ER-Equipment Store)	Perpendicular illuminance (Adaptive)	107 lx	133 lx	121 lx	0.88	0.80
17	Workplane (Blood Sample Taking)	Perpendicular illuminance (Adaptive)	518 lx	1106 lx	829 lx	0.62	0.47
18	Workplane (Phamacy Drug Store)	Perpendicular illuminance (Adaptive)	362 lx	696 lx	556 lx	0.65	0.52
19	Workplane (Room 19)	Perpendicular illuminance (Adaptive)	0.00 lx	0.00 lx	0.00 lx	–	–
20	Workplane (Room 20)	Perpendicular illuminance (Adaptive)	0.00 lx	0.00 lx	0.00 lx	–	–
21	Workplane (Electrical Room)	Perpendicular illuminance (Adaptive)	106 lx	208 lx	161 lx	0.66	0.51
22	Workplane (Procedure Room)	Perpendicular illuminance (Adaptive)	309 lx	764 lx	557 lx	0.55	0.40
23	Workplane (Entrance-2)	Perpendicular illuminance (Adaptive)	125 lx	503 lx	347 lx	0.36	0.25
24	Workplane (Treatment Room / ECG)	Perpendicular illuminance (Adaptive)	643 lx	1432 lx	1057 lx	0.61	0.45
25	Workplane (Injection and Dressing)	Perpendicular illuminance (Adaptive)	474 lx	1053 lx	781 lx	0.61	0.45
26	Workplane (Feeding)	Perpendicular illuminance (Adaptive)	202 lx	398 lx	307 lx	0.66	0.51
27	Workplane (Cafe)	Perpendicular illuminance (Adaptive)	48.1 lx	872 lx	511 lx	0.094	0.055
28	Workplane (Cafe Kitchen)	Perpendicular illuminance (Adaptive)	177 lx	524 lx	365 lx	0.48	0.34
29	Workplane (Waiting Area)	Perpendicular illuminance (Adaptive)	30.3 lx	603 lx	302 lx	0.10	0.050
30	Workplane (Cafe Toilet)	Perpendicular illuminance (Adaptive)	0.00 lx	257 lx	238 lx	0.00	0.00
31	Workplane (OPD-1)	Perpendicular illuminance (Adaptive)	248 lx	669 lx	458 lx	0.54	0.37
32	Workplane (Waiting Arear Toilet-1/1)	Perpendicular illuminance (Adaptive)	107 lx	133 lx	121 lx	0.88	0.80
33	Workplane (Waiting Arear Toilet-1/2)	Perpendicular illuminance (Adaptive)	107 lx	131 lx	120 lx	0.89	0.82
34	Workplane (Pharmacy)	Perpendicular illuminance (Adaptive)	569 lx	1367 lx	1044 lx	0.55	0.42
35	Workplane (Cleam Supply)	Perpendicular illuminance (Adaptive)	253 lx	431 lx	348 lx	0.73	0.59
36	Workplane (Sterile Area)	Perpendicular illuminance (Adaptive)	379 lx	1157 lx	857 lx	0.44	0.33
37	Workplane (Staff Change)	Perpendicular illuminance (Adaptive)	98.3 lx	130 lx	115 lx	0.85	0.76
38	Workplane (Wash And Disinfector)	Perpendicular illuminance (Adaptive)	430 lx	938 lx	707 lx	0.61	0.46
39	Workplane (Dirty Utilities)	Perpendicular illuminance (Adaptive)	80.2 lx	132 lx	109 lx	0.74	0.61
40	Workplane (CSSD Clean Room)	Perpendicular illuminance (Adaptive)	257 lx	743 lx	532 lx	0.48	0.35
41	Workplane (X-ray Counter)	Perpendicular illuminance (Adaptive)	311 lx	682 lx	515 lx	0.60	0.46
42	Workplane (X-ray control Room)	Perpendicular illuminance (Adaptive)	246 lx	423 lx	339 lx	0.73	0.58
43	Workplane (X-Ray Change)	Perpendicular illuminance (Adaptive)	195 lx	236 lx	214 lx	0.91	0.83
44	Workplane (X-ray Waiting)	Perpendicular illuminance (Adaptive)	179 lx	231 lx	204 lx	0.88	0.77
45	Workplane (X-Ray Room)	Perpendicular illuminance (Adaptive)	317 lx	863 lx	659 lx	0.48	0.37
46	Workplane (OPD-6)	Perpendicular illuminance (Adaptive)	445 lx	978 lx	732 lx	0.61	0.46
47	Workplane (OPD-5)	Perpendicular illuminance (Adaptive)	434 lx	961 lx	717 lx	0.61	0.45
48	Workplane (Scan Room Toilet)	Perpendicular illuminance (Adaptive)	115 lx	132 lx	124 lx	0.93	0.87
49	Workplane (OPD-4)	Perpendicular illuminance (Adaptive)	446 lx	979 lx	733 lx	0.61	0.46
50	Workplane (OPD-1)	Perpendicular illuminance (Adaptive)	447 lx	981 lx	734 lx	0.61	0.46
51	Workplane (OPD-2)	Perpendicular illuminance (Adaptive)	445 lx	983 lx	734 lx	0.61	0.45
52	Workplane (OPD-3)	Perpendicular illuminance (Adaptive)	447 lx	979 lx	733 lx	0.61	0.46
53	Workplane (Reception Pantry)	Perpendicular illuminance (Adaptive)	0.00 lx	239 lx	146 lx	0.00	0.00
54	Workplane (Reception Toilet)	Perpendicular illuminance (Adaptive)	99.7 lx	131 lx	116 lx	0.86	0.76
55	Workplane (Public Relation)	Perpendicular illuminance (Adaptive)	176 lx	247 lx	218 lx	0.81	0.71
56	Workplane (REception Meting Room)	Perpendicular illuminance (Adaptive)	87.8 lx	534 lx	384 lx	0.23	0.16
57	Workplane (Main Reception)	Perpendicular illuminance (Adaptive)	24.5 lx	523 lx	350 lx	0.070	0.047
58	Workplane (Garbage)	Perpendicular illuminance (Adaptive)	78.2 lx	132 lx	108 lx	0.72	0.59
59	Workplane (Holding-1)	Perpendicular illuminance (Adaptive)	187 lx	446 lx	312 lx	0.60	0.42
60	Workplane (Holdng-2)	Perpendicular illuminance (Adaptive)	182 lx	445 lx	309 lx	0.59	0.41
61	Workplane (Isolation-1 Toilet)	Perpendicular illuminance (Adaptive)	77.8 lx	132 lx	108 lx	0.72	0.59
62	Workplane (Isolation-2 Toilet)	Perpendicular illuminance (Adaptive)	77.8 lx	132 lx	108 lx	0.72	0.59
63	Workplane (Isolation Room-1)	Perpendicular illuminance (Adaptive)	216 lx	602 lx	412 lx	0.52	0.36
64	Workplane (Isolation Room-2)	Perpendicular illuminance (Adaptive)	192 lx	382 lx	293 lx	0.66	0.50
65	Workplane (Dirty Corridor)	Perpendicular illuminance (Adaptive)	130 lx	290 lx	226 lx	0.58	0.45
66	Workplane (Clean Utilities)	Perpendicular illuminance (Adaptive)	108 lx	131 lx	121 lx	0.89	0.82
67	Workplane (Equipment Store)	Perpendicular illuminance (Adaptive)	108 lx	131 lx	121 lx	0.89	0.82
68	Workplane (PPE Doning)	Perpendicular illuminance (Adaptive)	42.2 lx	234 lx	187 lx	0.23	0.18
69	Workplane (MEdical Store)	Perpendicular illuminance (Adaptive)	641 lx	843 lx	750 lx	0.85	0.76
70	Workplane (Medical Preparation)	Perpendicular illuminance (Adaptive)	192 lx	235 lx	212 lx	0.91	0.82
71	Workplane (Janitor Closet)	Perpendicular illuminance (Adaptive)	115 lx	131 lx	124 lx	0.93	0.88
72	Workplane (Staff Toilet)	Perpendicular illuminance (Adaptive)	115 lx	132 lx	124 lx	0.93	0.87
73	Workplane (Flue Clinic Toilet)	Perpendicular illuminance (Adaptive)	116 lx	132 lx	125 lx	0.93	0.88
74	Workplane (Flue Clinic Toilet)	Perpendicular illuminance (Adaptive)	109 lx	131 lx	121 lx	0.90	0.83
75	Workplane (Room 75)	Perpendicular illuminance (Adaptive)	0.00 lx	0.00 lx	0.00 lx	–	–
76	Workplane (Room 76)	Perpendicular illuminance (Adaptive)	0.00 lx	0.00 lx	0.00 lx	–	–
77	Workplane (Electrical Service Room)	Perpendicular illuminance (Adaptive)	101 lx	208 lx	158 lx	0.64	0.49
78	Workplane (Consultation)	Perpendicular illuminance (Adaptive)	522 lx	1111 lx	832 lx	0.63	0.47
79	Workplane (Flue Clinic Toilet)	Perpendicular illuminance (Adaptive)	77.2 lx	248 lx	194 lx	0.40	0.31
80	Workplane (Flue Clinic Counter-1)	Perpendicular illuminance (Adaptive)	111 lx	440 lx	302 lx	0.37	0.25
81	Workplane (Flue Clinic Counter-2)	Perpendicular illuminance (Adaptive)	3.90 lx	389 lx	248 lx	0.016	0.010
82	Workplane (Staff Change)	Perpendicular illuminance (Adaptive)	98.3 lx	130 lx	115 lx	0.85	0.76
83	Workplane (Air Lock)	Perpendicular illuminance (Adaptive)	105 lx	131 lx	119 lx	0.88	0.80
84	Workplane (Pantry)	Perpendicular illuminance (Adaptive)	95.9 lx	130 lx	114 lx	0.84	0.74
85	Workplane (Sterilizer)	Perpendicular illuminance (Adaptive)	108 lx	131 lx	121 lx	0.89	0.82
86	Workplane (Dirty Utility)	Perpendicular illuminance (Adaptive)	87.6 lx	132 lx	111 lx	0.79	0.66
87	Workplane (Air Lock)	Perpendicular illuminance (Adaptive)	101 lx	131 lx	117 lx	0.86	0.77
88	Workplane (Holding Toilet)	Perpendicular illuminance (Adaptive)	191 lx	260 lx	228 lx	0.84	0.73
89	Workplane (Holding Corridor)	Perpendicular illuminance (Adaptive)	113 lx	237 lx	175 lx	0.65	0.48
90	Workplane (Air Lock Clean Corridor)	Perpendicular illuminance (Adaptive)	89.5 lx	132 lx	112 lx	0.80	0.68
91	Workplane (Male Toilet)	Perpendicular illuminance (Adaptive)	190 lx	244 lx	220 lx	0.86	0.78
92	Workplane (Female Toilet)	Perpendicular illuminance (Adaptive)	190 lx	244 lx	220 lx	0.86	0.78
93	Workplane (Staff Toilet)	Perpendicular illuminance (Adaptive)	190 lx	244 lx	220 lx	0.86	0.78
94	Workplane (Storage)	Perpendicular illuminance (Adaptive)	141 lx	227 lx	190 lx	0.74	0.62
95	Workplane (Cessation Clinic)	Perpendicular illuminance (Adaptive)	615 lx	1206 lx	930 lx	0.66	0.51
96	Workplane (Public Health Room)	Perpendicular illuminance (Adaptive)	552 lx	1146 lx	865 lx	0.64	0.48
97	Workplane (Productive Health)	Perpendicular illuminance (Adaptive)	539 lx	1158 lx	870 lx	0.62	0.47
98	Workplane (Vaccine And Growth)	Perpendicular illuminance (Adaptive)	127 lx	296 lx	242 lx	0.52	0.43
99	Workplane (Kids Play Indoor)	Perpendicular illuminance (Adaptive)	50.4 lx	293 lx	198 lx	0.25	0.17
100	Workplane (Reception)	Perpendicular illuminance (Adaptive)	8.00 lx	545 lx	353 lx	0.023	0.015
101	Workplane (Public Corridor)	Perpendicular illuminance (Adaptive)	15.2 lx	373 lx	257 lx	0.059	0.041
102	Workplane (OPD Waiting)	Perpendicular illuminance (Adaptive)	91.6 lx	266 lx	192 lx	0.48	0.34
103	Workplane (Waiting Arear Toilet-2/1)	Perpendicular illuminance (Adaptive)	107 lx	133 lx	121 lx	0.88	0.80
104	Workplane (Waiting Arear Toilet-2/2)	Perpendicular illuminance (Adaptive)	104 lx	132 lx	120 lx	0.87	0.79
105	Workplane (Lab Toilet)	Perpendicular illuminance (Adaptive)	106 lx	132 lx	124 lx	0.85	0.80
106	Workplane (Laboratory staff toilet)	Perpendicular illuminance (Adaptive)	107 lx	133 lx	122 lx	0.88	0.80
107	Workplane (Room 113)	Perpendicular illuminance (Adaptive)	0.00 lx	0.00 lx	0.00 lx	–	–
108	Workplane (Scan Room)	Perpendicular illuminance (Adaptive)	24.5 lx	535 lx	372 lx	0.066	0.046

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.

GROUND FLOOR LIGHTING SCHEDULE

SCALE 1:100

0m 5m

CLIENT:

DESIGN AND CONSULTANCY:

SIARCH PRIVATE LIMITED
LONUZIYAARAIY MAGU,MALE',20075,MALDIVES
EMAIL: INFO@SIARCH.DESIGN
HTTP://WWW.SIARCH.DESIGN

KEY PLAN:

WARNING:

- This drawing shall not be used for construction unless certified.
- Contractor to verify all dimensions of existing works on site before commencing any work or preparing shop drawings.
- Do not scale drawings, use written dimensions only.
- This drawing is to be read in conjunction with the specifications and conditions of contract.
- This drawing and design is copyright and no portion may be reproduced without the permission of the Consultant

REVISIONS

NO	DESCRIPTION	DATE

PROJECT:

PROPOSED 3 STOREY HOSPITAL

PHASE:

- (●) CONCEPT DESIGN
- ( ) DESIGN DEVELOPMENT
- ( ) TENDER DOCUMENT
- ( ) FOR CONSTRUCTION
- ( ) AS BUILD DRAWINGS

DESIGNATION	NAME	SIGNATURE
DESIGN BY:	SIARCH PVT LTD	
STR. ENGINEER		
CHIEF ARCHITECT		
CHECKED		
DRAWN	SAMPATH	

DWG. NAME:

HOSPITAL PROJECT

GROUND FLOOR LIGHTING SCHEDULE

CODE	DATE			DWG. NO:
COM-29	17-03-2021			LT02
FORMAT	A1	A2	A3	
SCALE	1:100	–	–	ISSUE B

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