

# Lighting design guide

How to use the ready reckoner lux planner

1. Select the fitting
2. Choose the Lux Level you require
3. Select the closest room dimensions of the space
4. Use the table to determine the quantity of fittings required

Recommended Lighting Levels Explained

- 200 Lux** - For general occupancy
- 300 Lux** - For moderately easy tasks
- 500 Lux** - For moderately difficult tasks

Design criteria all downlights and LED panel

1. All dimensions shown are in metres
2. Ceiling height assumed @ 2500mm
3. Average Surface Reflectances used - Floor 20 / Walls 50 / Ceiling 70
4. Working Plane measured at 750mm above FFL
5. Maintenance Factor assumed @ 0.80



Watts		6	
Lumens		580/620	
Room Size		Choose Lux Level	
L (m)	W (m)	200 lux	300 lux
2.5	2.5	4	5
2.5	5	6	10
2.5	7.5	10	14
2.5	10	12	18
5	5	12	16
5	7.5	18	24
5	10	21	32
7.5	7.5	25	35
7.5	10	32	45
10	10	42	56



Watts		4	
Lumens		390/400	
Room Size		Choose Lux Level	
L (m)	W (m)	200 lux	300 lux
2	2	4	6
2	4	8	10
2	6	10	12
2	8	12	18
4	4	12	20
4	6	-	-
4	8	-	-
6	6	-	-
6	8	-	-
8	8	-	-



Watts		5	
Lumens		520	
Room Size		Choose Lux Level	
L (m)	W (m)	200 lux	300 lux
2	2	2	2
2	4	3	4
2	6	4	6
2	8	5	8
4	4	6	9
4	6	8	12
4	8	12	18
6	6	12	18
6	8	18	24
8	8	25	36



Watts		13		18		18		25		40		45	
Lumens		1260		1800		1900		2600		4320		4500	
Room Size		Choose Lux Level											
L (m)	W (m)	200 lux	300 lux	200 lux	300 lux	200 lux	300 lux	200 lux	300 lux	300 lux	500 lux	300 lux	500 lux
2.5	2.5	3	4	2	3	2	3	1	2	1	2	1	2
2.5	5	4	6	3	4	3	4	2	3	2	3	2	3
2.5	7.5	5	8	4	5	4	5	3	4	3	4	3	4
2.5	10	6	10	5	7	5	7	4	5	4	5	4	5
5	5	6	9	6	8	6	8	4	5	4	5	4	5
5	7.5	8	15	8	10	8	10	5	8	5	8	5	8
5	10	12	18	8	12	8	12	6	10	6	10	6	8
7.5	7.5	12	20	9	15	9	15	8	12	6	12	6	9
7.5	10	16	24	12	18	12	18	9	15	9	15	9	12
10	10	24	36	16	24	16	24	12	16	12	16	12	16

X = Specific luminaire not suitable to achieve LUX level in room size

For assistance please email us on [uk@auroralighting.com](mailto:uk@auroralighting.com)

### Notes

The lighting calculation information displayed above is an indicative guide for the areas and design criteria indicated. It is recommended that the customer carries out his own calculations to verify that the proposed quantity of luminaires meet the specified requirements. All quantities shown are calculated and rounded upwards and then determined into an amount that offers a grid pattern for installation. Aurora does not accept responsibility for lighting installations which fail to comply with specification where this criteria has been used to estimate quantity.