

How Many Fittings Required?

We have put together a table of how many fittings would be required in different size rooms so as to meet at least 300lx average. The first figure is the required amount of fittings followed by the average lux produced on a plane 750mm from the floor when installed in a ceiling 2.4m high. These figures can only be used as a guide as a lot of different factors can change the levels, i.e. different coloured surfaces, surface textures, windows, etc. These calculations are based on total reflectivity of 20% - Floor, 70% - Ceiling and 50% - Walls.

	2m	3m	4m	5m	6m	7m	8m	9m	10m
2m	2-537lx	2-365lx	3-434lx	3-357lx	3-306lx	4-345lx	4-310lx	5-319lx	6-347lx
	2-512lx								
3m	2-394lx	2-337lx	4-496lx	4-418lx	4-362lx	6-453lx	6-403lx	6-371lx	8-437lx
		2-323lx							
4m	3-472lx	4-489lx	4-393lx	6-479lx	6-409lx	6-359lx	8-417lx	8-359lx	8-326lx
			4-398lx						
5m	3-395lx	4-393lx	6-464lx	6-414lx	6-342lx	9-448lx	9-400lx	9-356lx	12-422lx
				6-398lx					
6m	3-336lx	4-366lx	6-398lx	6-342lx	9-433lx	9-379lx	9-338lx	12-386lx	12-350lx
					9-424lx				
7m	4-387lx	6-432lx	6-350lx	9-434lx	9-374lx	9-330lx	12-384lx	12-338lx	16-412lx
						9-329lx			
8m	4-344lx	6-386lx	8-410lx	9-388lx	9-334lx	12-386lx	12-347lx	16-399lx	16-361lx
						12-345lx			
9m	5-377lx	6-346lx	8-371lx	9-351lx	12-398lx	12-348lx	16-408lx	16-358lx	16-324lx
							16-368lx		
10m	6-405lx	8-410lx	8-337lx	12-418lx	12-363lx	16-417lx	16-372lx	16-335lx	20-368lx
								20-379lx	



595mm x 595mm 5000k 35w LED Panel



4x 18w Switch Start 595mm x 595mm Recessed Modular with 6000k Tubes