

LAVA® DESIGN INFRARED PANEL UK SIZING GUIDE



LAVA Design Infrared Heating Panels are suitable for a number of property types and room uses, each requiring different amounts of heat (calculated in watts/m²). Please use this sizing guide to give you an indication of the infrared heating requirement for each room. Based on the heating requirement, select the most appropriately sized panel or combination of panels that adds up to your required wattage. Where you have to choose between panels of a higher or lower wattage than your recommended total, always choose higher. Under-specifying your infrared heating will mean your panels take longer to heat the space and are not as responsive, potentially compromising your thermal comfort. If in doubt, **please call us for advice (01923 889 480)**.

It is important the panels are positioned so the infrared waves are delivered to every corner of the room. Because infrared panels heat directly, they will not heat areas of the room which fall outside their heating zone (not in direct line of sight). Therefore bear in mind a combination of smaller panels may provide a better distribution of heat (e.g. in an 'L' shaped room) than a single, larger panel.

The tables below provide sizing guidance for LAVA Design Infrared heaters based on room use, floor area, wall construction, number of outside walls and a ceiling height of 2.4m. These tables will not apply to properties with unusual characteristics, for example high vaulted ceilings, in such cases please complete our '**Specification Request Form**' and we will provide a more accurate assessment.

LAVA Design Infrared Panel Sizing Guide - Total Infrared Heating Requirement in Watts

Floor Area	Solid Walls – poorly insulated (number of outside walls)			Cavity Walls – moderately insulated (number of outside walls)			Insulated Cavity Walls – well insulated (number of outside walls)			New Build Property – very well insulated (number of outside walls)		
	1	2	3	1	2	3	1	2	3	1	2	3
Room Use: Living, Dining Room, Study												
8m ²	640	680	720	560	600	640	360	400	440	240	280	320
12m ²	960	1020	1080	840	900	960	540	600	660	360	420	480
16m ²	1280	1360	1440	1120	1200	1280	720	800	880	480	560	640
20m ²	1600	1700	1800	1400	1500	1600	900	1000	1100	600	700	800
24m ²	1920	2040	2160	1680	1800	1920	1080	1200	1320	720	840	960
28m ²	2240	2380	2520	1960	2100	2240	1260	1400	1540	840	980	1120
32m ²	2560	2720	2880	2240	2400	2560	1440	1600	1760	960	1120	1280

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	1	2	3	1	2	3	1	2	3	1	2	3
Room Use: Kitchen												
10m ²	700	750	800	600	650	700	350	400	450	250	300	350
12m ²	840	900	960	720	780	840	420	480	540	300	360	420
14m ²	980	1050	1120	840	910	980	490	560	630	350	420	490
16m ²	1120	1200	1280	960	1040	1120	560	640	720	400	480	560
Room Use: Bedrooms, Hall, Landing												
8m ²	480	520	560	400	440	480	200	240	280	160	200	240
12m ²	720	780	840	600	660	720	300	360	420	240	300	360
16m ²	960	1040	1120	800	880	960	400	480	560	320	400	480
20m ²	1200	1300	1400	1000	1100	1200	500	600	700	400	500	600
24m ²	1440	1560	1680	1200	1320	1440	600	720	840	480	600	720
Room Use: Bathroom												
4m ²	360	380	400	320	340	360	220	240	260	140	160	180
8m ²	720	760	800	640	680	720	440	480	520	280	320	360
12m ²	1080	1140	1200	960	1020	1080	660	720	780	420	480	540
16m ²	1440	1520	1600	1280	1360	1440	880	960	1040	560	640	720

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	1	2	3	1	2	3	1	2	3	1	2	3
Room Use: Commercial Office												
12m ²	960	1020	1080	840	900	960	540	600	660	360	420	480
16m ²	1280	1360	1440	1120	1200	1280	720	800	880	480	560	640
20m ²	1600	1700	1800	1400	1500	1600	900	1000	1100	600	700	800
24m ²	1920	2040	2160	1680	1800	1920	1080	1200	1320	720	840	960
28m ²	2240	2380	2520	1960	2100	2240	1260	1400	1540	840	980	1120
32m ²	2560	2720	2880	2240	2400	2560	1440	1600	1760	960	1120	1280
36m ²	2880	3060	3240	2520	2700	2880	1620	1800	1980	1080	1260	1440
40m ²	3200	3400	3600	2800	3000	3200	1800	2000	2200	1200	1400	1600
44m ²	3520	3740	3960	3080	3300	3520	1980	2200	2420	1320	1540	1760
48m ²	3840	4080	4320	3360	3600	3840	2160	2400	2640	1440	1680	1920
52m ²	4160	4420	4680	3640	3900	4160	2340	2600	2860	1560	1820	2080
56m ²	4480	4760	5040	3920	4200	4480	2520	2800	3080	1680	1960	2240
60m ²	4800	5100	5400	4200	4500	4800	2700	3000	3300	1800	2100	2400