

**NEXT-GENERATION
FAR-INFRARED HEATING
MANUFACTURERS**

“A New World of Warmth”



Frameless Anti-Microbial Aluminium Panel

Anti-Microbial finishes help to prevent and restrict the spread of harmful bacteria, such as E.coli, listeria and pseudomonas on contact surfaces.

Our panels heats mass and the fabric of your building, as opposed to air. As a result, bacteria won't be able to spread easily in the atmosphere, making the heating panels highly suitable for hospitals and clean rooms, where foreign contamination can disrupt treatment or cause illness.

Our 350W and 800W panels are designed to fit into an integrated grid/suspended ceiling, to allow for greater flexibility of installation.

The Negative Health Effects of Harmful Bacteria



Protein Damage

Proteins are essential for the biological systems of life. Any damage to these components causes the failure of essential functions such as energy production.



Cell Membrane Damage

By disrupting the microbes membrane, its structural integrity is compromised, which can cause essential nutrients to leak out and catastrophic structural failure.



Oxidative Damage

Antimicrobials can cause increased levels of reactive oxygen species, which result in damage to the internal systems of the microbe.



DNA Interference

The genetic material of the bacteria is disrupted, ultimately stopping the bacteria from being able to replicate by blocking the copying of their genetic material.

Manufacturer Material Specification

Surface Design:	Frameless Powder Coated Heat Resistant Aluminium
Heating Element:	Mesh Carbon Crystal Nanotech Ink
Material:	Aluminium
Construction:	Folded Aluminium with Insulation Layer
Fixings:	Wall/Ceiling/Grid Ceiling
Connection:	2-metre cable
Service Life:	20 Years
Warranty:	5 Years *Conditions Apply
IP Rating:	IP41

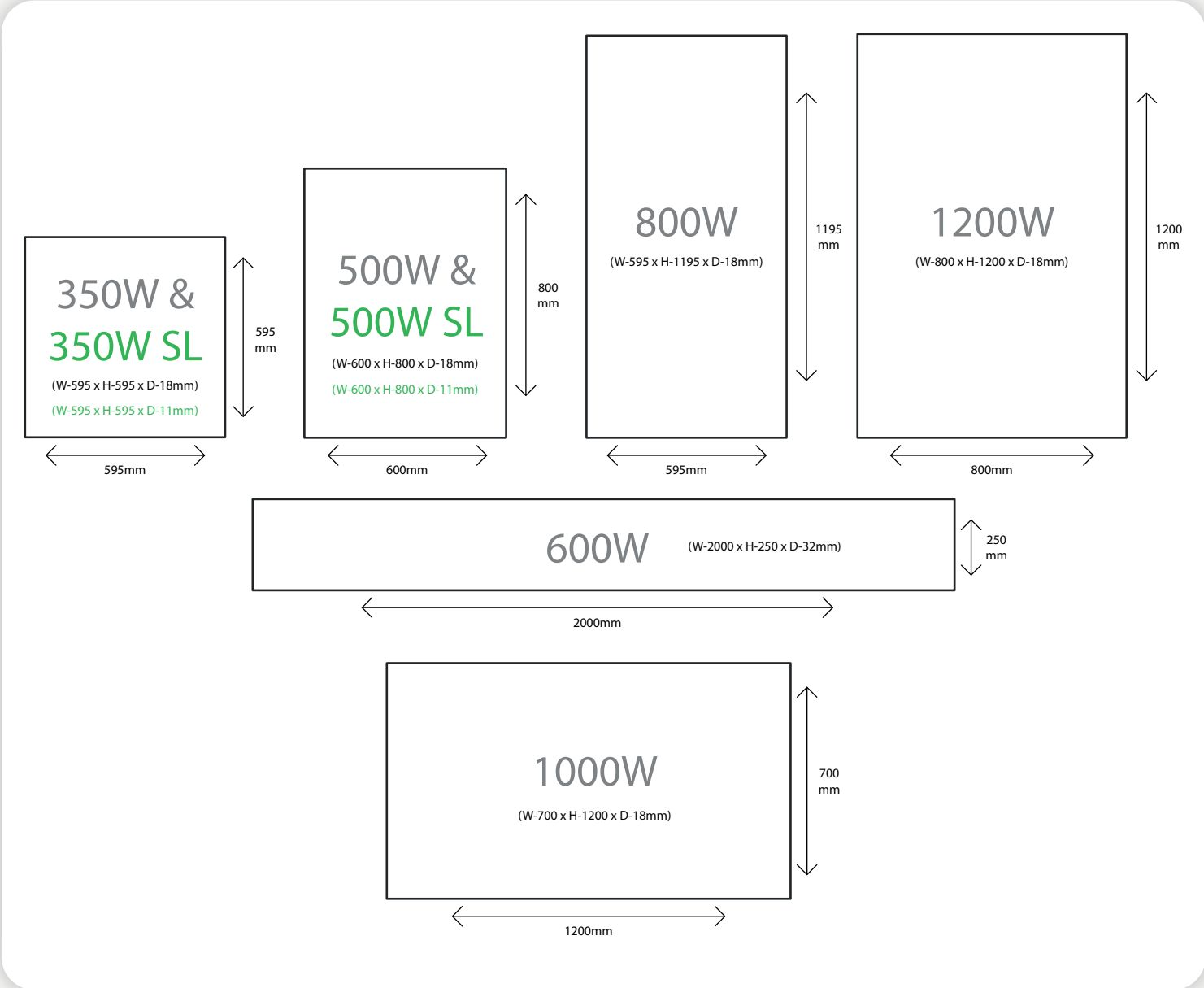
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*Yandiya far-infrared heating panels must be used in conjunction with thermostat control units. We recommend installation by a qualified engineer.

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The Panel thickness is 18mm or 11mm for our slimline variants; This will increase by an additional 20mm with our sphix-fix or easy install cassettes. Aluminium panels can be installed on the wall and ceiling, in portrait or landscape orientation - Due to the specialist finish, the anti-microbial panels will be available via bespoke order upon your quotation.

Anti-Microbial Aluminium Heating Panel CAD Drawings & Dimensions



Frameless Anti-Microbial Aluminium Heating Panel Technical Specifications

Power Rated:	350W + SL	500W + SL	600W	800W	1000W	1200W
Voltage:	220/240	220/240	220/240	220/240	220/240	220/240
Amps:	1.59-1.46	2.27-2.08	2.72-2.50	3.63-3.33	4.54-4.17	5.45-5.00
Heating Coverage:	5.83-6.73m ²	8.33-9.16m ²	9.74-10.31m ²	11.68-13.33m ²	13.54-16.67m ²	18.98-21.33m ²
Temperature Range:	0/90°C	0/85°C	0/85°C	0/85°C	0/85°C	0/85°C
Overheat Protection:	120/130°C	120/130°C	120/130°C	120/130°C	120/130°C	120/130°C
kWh Per Annum:	819	1170	1404	1872	2340	2808
Weight:	5.2/ 1.87 Kg	7.1/ 2.84 Kg	8.3 Kg	10.8 Kg	11.2 Kg	13 Kg
Energy Transfer:	98%	98%	98%	98%	98%	98%