

RADIANT HEAT PANELS

the **future** of indoor heating...

EFFICIENCY SERIES



RADIANT HEATING PANELS ARE THE FUTURE OF INDOOR HEATING

Tansun radiant heating panels provide an even heat distribution to gently warm people and objects first, and then the surrounding air. They boast advanced heating technology designed to be environmentally friendly and remarkably energy efficient, where energy conversion rates are around 100%. Stylish, discrete and unobtrusive to blend into any environment, Tansun infrared panels are the ideal indoor heating solution for both commercial and domestic applications.

WHY CHOOSE TANSUN?

Tansun Limited are the UK's leading infrared heater manufacturer with over 35 years' experience and expertise in the radiant heating industry. All heating products are manufactured in Britain with premium components for greater durability and reliability. Tansun is always one step ahead to the competition, offering products of technical excellence and unparalleled performance.

- Established over 35 years ago with unrivalled experience in the infrared heating industry
- Dedicated Research & Development department at the leading edge of innovation
- Extremely reliable products
- Successful worldwide network in over 50 countries
- Dedicated after sales service
- Free heating design service





THE FUTURE OF
INDOOR HEATING



REDUCE ENERGY COSTS

TANSUN INFRARED PANELS ARE REVOLUTIONISING THE WAY WE HEAT OUR HOMES AND COMMERCIAL BUILDINGS

Tansun Infrared Heat Panels produce heat that is similar to the sun, i.e. electromagnetic waves. Instead of warming the air like conventional heaters, Tansun Infrared Heat Panels heat people and objects directly in their paths. The Infrared rays emitted are easily absorbed by the occupants and are totally safe and healthy. As cool surfaces heat up, Infrared Heat Panels raise the ambient temperature of the room making it the most efficient form of indoor heating available.

MAIN BENEFITS OF TANSUN INFRARED PANELS

- Instant, Healthy, Comfortable & Gentle Heat
- Safe & Reliable
- Highly Energy Efficient - 100% Heat Transfer Efficiency
- Cost Effective (save approx. 30-70% on heating costs)
- Infrared Heat Panels Heat Silently (suitable for noise-sensitive environments)
- IP24 - Protection against water spray
- Unobtrusive Design that Easily Blends Into any Environment
- Easy Installation - No Pipework Needed
- Wall or Ceiling Mounted to Save Floor Space
- No Ongoing Regular Maintenance - No Moving Parts
- Environmentally Friendly Heating Solution





RADIANT HEATING SOLUTIONS FOR EVERY ENVIRONMENT

Infrared heating systems are the future of heating our homes, offices or other commercial buildings. Unlike other heating methods, infrared heaters target objects and people directly. Infrared heat panels can be used in various residential applications creating a comfortable warm feeling.

In a commercial environment, efficiency is always an important consideration. Tansun infrared panels provide efficient heat distribution and are designed to be easily installed on walls or ceilings and blend in with any interior design requirements.

MANUFACTURED IN THE UK

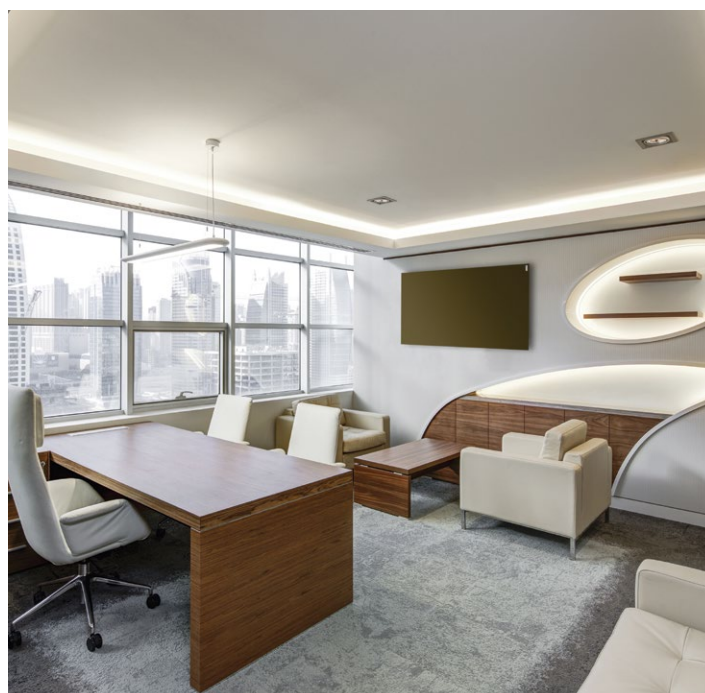
All of our products are designed and manufactured in the UK with the highest quality materials and components, ensuring the products' technical excellence, durability and excellent performance.

We monitor each stage of production and offer advanced and peerless technology. This also gives us flexibility to conduct any modifications and enhancements to meet your individual needs and requirements.

EASY INSTALLATION & MAINTENANCE

Tansun Infrared Heating Panels are easy and fast to install because there is nothing mechanical and no pipework is required. They allow for both wall and ceiling mounting and both portrait and landscape orientation and include fixings.

What is more, older convection heating systems are susceptible to problems and require costly maintenance – can even cause disruption to your professional business services. On the contrary, infrared heating systems require no maintenance or servicing.



COMMERCIAL APPLICATION EXAMPLES

RESTAURANTS & BARS



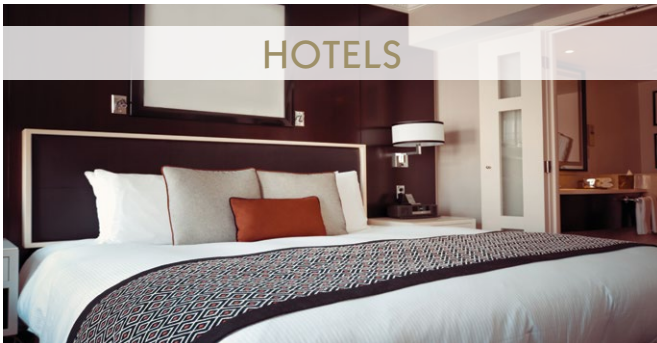
Dining Areas, Lounges & Bars, Communal Areas, Staff Areas, Corridors.

OFFICES



Work Stations, Board Rooms, Communal Areas, Staff Areas, Corridors.

HOTELS



Guest Bedrooms, Lobbies, Bars & Dining, Reception Areas, Staff Areas.

HEALTH CARE



Treatment Areas, Reception Areas, Waiting Areas, Staff Areas, Corridors.

RETAIL SHOPS



Retail Environment, Communal Areas, Staff Areas, Fitting Rooms.

SALONS & TREATMENT



Treatment Areas, Communal Areas, Waiting Areas, Staff Areas, Corridors

EDUCATION



Classrooms, Lecture Hall, Communal Areas, Locker Rooms.

GYM, YOGA & DANCE STUDIOS



Main areas, Changing Rooms, Corridors.

DOMESTIC APPLICATION EXAMPLES

LIVING ROOM



Unobtrusive and slim design that blends with any environment.

KITCHENS



Wall mounted or suspended from the ceiling for greater comfort & practicality.

BEDROOM



Relaxing warmth and a sense of comfort to any bedroom.

BATHROOM



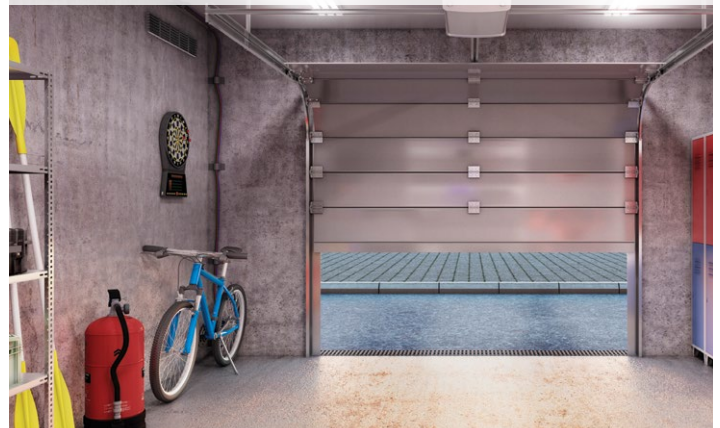
IP Rated for use to any bathroom.*
* Subject to zone conditions

CONSERVATORY



Infrared Panels warm up people & objects directly.

GARAGE



Low running costs and high energy efficiency.



TANSUN EFFICIENCY 600 SERIES RADIANT HEAT PANEL

Tansun Efficiency Series 600 is a lightweight and extra slim infrared heating panel which combines advanced heating technology and neutral design of white or black finish to blend in with any decor. It is a highly efficient, reliable and safe heating solution with very low running costs. Can be wall or ceiling mounted to save you valuable space.



TECHNICAL SPECIFICATION

Total Power	325W
Voltage	230V
Current	1.4A
Minimum Mounting Floor Height	15cm
Minimum Distance From Ceiling	15cm
Minimum Distance From Side Wall	15cm
Weight	3.1kg
Dimensions (W X H x D)	595mm x 595mm x 38mm
Cable Length	1.9m

-  **WATERPROOF: IP RATED**
-  **ALUMINIUM CONSTRUCTION**
-  **WHITE OR BLACK FINISH**
-  **THERMOSTAT CONTROL COMPATIBLE**
-  **WALL OR CEILING MOUNTED**
-  **EASE OF INSTALLATION & MAINTENANCE FREE**
-  **LIGHTWEIGHT DESIGN**
-  **AVAILABLE IN ANY RAL COLOUR UPON REQUEST**



TANSUN EFFICIENCY 900 SERIES RADIANT HEAT PANEL

Style, efficiency and functionality are combined on the Tansun Efficiency series 900 infrared heating panel. An ideal heating solution for most domestic or commercial applications. Incorporating the most advanced heating technology, Efficiency 900 requires no pre-heat time and uses a substantially lower amount of energy than conventional heaters. It boasts powder coated white or black aluminium finish to fit into any environment. Due to its extra slim size, it can be wall or ceiling mounted.



TECHNICAL SPECIFICATION

Total Power	520W
Voltage	230V
Current	2.3A
Minimum Mounting Floor Height	15cm
Minimum Distance From Ceiling	15cm
Minimum Distance From Side Wall	15cm
Weight	4.9kg
Dimensions (W X H x D)	595mm x 895mm x 38mm
Cable Length	1.9m



WATERPROOF: IP RATED



ALUMINIUM CONSTRUCTION



WHITE OR BLACK FINISH



THERMOSTAT CONTROL COMPATIBLE



WALL OR CEILING MOUNTED



EASE OF INSTALLATION & MAINTENANCE FREE



LIGHTWEIGHT DESIGN



AVAILABLE IN ANY RAL COLOUR UPON REQUEST



TANSUN EFFICIENCY 1200 SERIES RADIANT HEAT PANEL

Tansun Efficiency 1200 infrared heating panel will help you reduce your running costs and turn any room into a warm and comfortable area, quickly and easily. It boasts powder coated white or black aluminium finish to fit into any environment. Easy in installation and hassle free as no maintenance is required. Can be wall or ceiling mounted saving you space.



TECHNICAL SPECIFICATION

Total Power	700W
Voltage	230V
Current	3.0A
Minimum Mounting Floor Height	15cm
Minimum Distance From Ceiling	15cm
Minimum Distance From Side Wall	15cm
Weight	5.3kg
Dimensions (W X H x D)	595mm x 1195mm x 38mm
Cable	1.9m

-  WATERPROOF: IP RATED
-  ALUMINIUM CONSTRUCTION
-  WHITE OR BLACK FINISH
-  THERMOSTAT CONTROL COMPATIBLE
-  WALL OR CEILING MOUNTED
-  EASE OF INSTALLATION & MAINTENANCE FREE
-  LIGHTWEIGHT DESIGN
-  AVAILABLE IN ANY RAL COLOUR UPON REQUEST

RAL COLOUR OPTIONS / BESPOKE SIZES

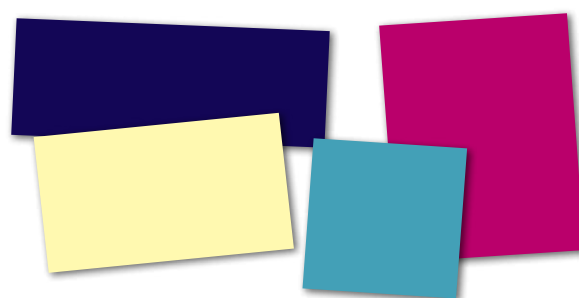


CHOOSE ANY RAL COLOUR FOR YOUR RADIANT HEAT PANELS TO SUIT TO ANY ENVIRONMENT

Tansun can create the panels in all RAL colour options. As we are a UK based manufacturer this allows us to have the flexibility to produce panels in any colour variant to suit. This simple feature can be important for the building sector to help blend in with particular environments and colour schemes.

BESPOKE SIZES

We offer greater flexibility and we can design the panel heaters in any size to suit your particular scheme. Contact Tansun directly for more information.



COMPLETE HEAT CONTROLLABILITY OF YOUR COMMERCIAL OR DOMESTIC AREAS



CONTROLLERS

The Tansun digital thermostat offers further energy saving and provides consistent fully controllable heat to meet your lifestyle or commercial needs. The thermostats allow you to adjust temperature levels on an hour by hour basis to make sure you're limiting energy wastage. Offices and homes can be draughty and difficult to heat, however digital thermostats offer precision control over the heat panels, allowing you to create comfort heat in your home or workspace areas.

- Instant Control over Panel Temperature
- Temperature up to 40 °C
- Energy Saving
- Weekly Programming
- Heating on / off indicator
- Wi-Fi Controlled

TECHNICAL SPECIFICATION

Adjustable temperature range	5 °C to 35 °C
Temperature setting	by 0.5 °C
Power supply	90-240Vac 50/60Hz
Switching element	Relay
Power output	max. 16 A
Working temperature	0 °C to +40 °C



HEAT COVERAGE AREAS

PANEL HEATER WALL MOUNTED

HEAT RADIATES OUTWARDS INTO ROOM



PANEL HEATER CEILING MOUNTED

HEAT RADIATES DOWNWARDS INTO ROOM

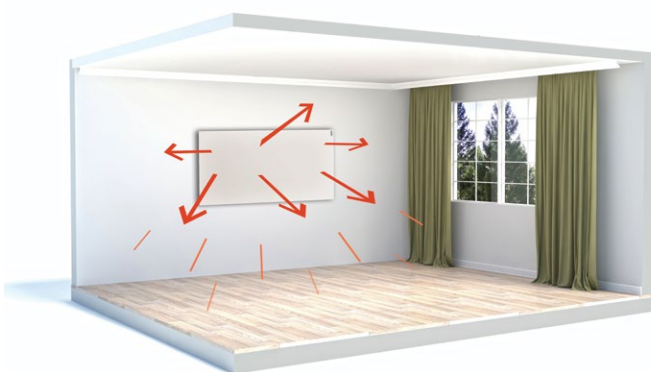


APPROXIMATE HEAT COVERAGE AREAS

EFFICIENCY SERIES 600	EFFICIENCY SERIES 900	EFFICIENCY SERIES 1200
5-7 m ²	7-9 m ²	10-16 m ²

*Heated areas are a guide only

COMPARISON BETWEEN TANSUN INFRARED HEAT PANEL AND GAS RADIATOR



Heat Radiates outwards into room space creating a healthy and efficient heating solution.



Heat circulates around room picking up dust particles.

Up to 70% cost saving compared with some other forms of heating...



DESIGN & SPECIFICATION SERVICE

Tansun offers a free heating design service which will provide optimum heating solutions for all environments.

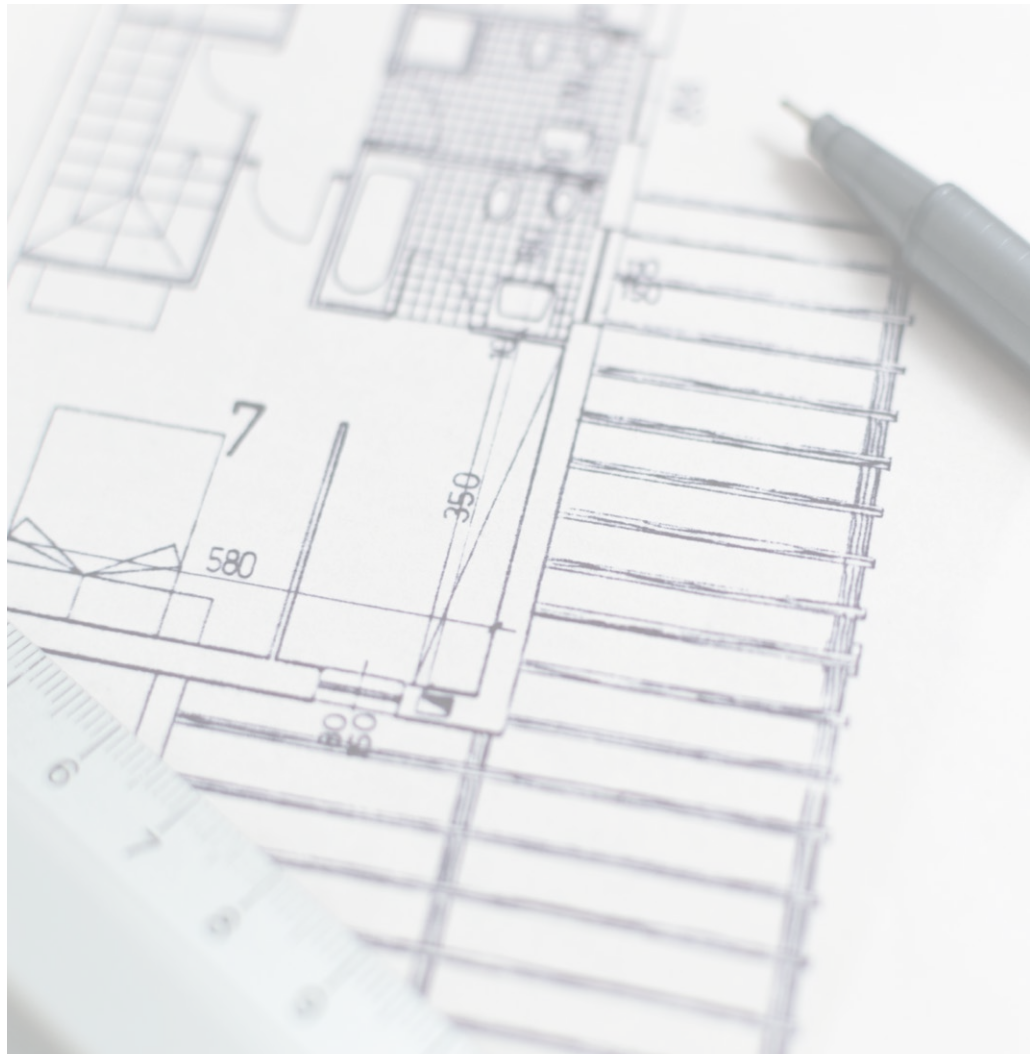
Whatever your heating scheme, a sales design expert will guide you through the model specification and number of panels required, including best positioning to get maximum and most effective coverage.

Our dedicated research and development team will collaborate with our sales team to fully understand and satisfy all of your heating needs. We offer a wide choice of infrared heating panels to suit any home or commercial application.

Simply send us the details of the scheme, including any drawings or plans and we will let you know the most suitable layout for the heating aspect. Information which may help in your scheme design include building type and use, design of building, size of area to be heated, information on any air movement and normal temperature. The more information you give us the better we will be able to assist.

As the UK's leading infrared heater manufacturer, Tansun can produce a scheme which best suits your particular heating requirements.

Emails at sales@tansun.com or call us on 0121 580 6200



BENEFITS OF INSTALLING TANSUN HEAT PANELS V GAS CENTRAL HEATING

Tansun Heat Panels offer many advantages over gas central heating. Some of these include:

- Large savings of up to £2000 on installation costs based on an average 3 bedroom property.
- Tansun Heat Panels are maintenance free, so no annual boiler service cost
- No cost of annual gas certificate
- New homes will be banned from gas grid by 2025 as recommended by Committee on Climate Change, who advise the government. Therefore alternative forms of heating will be required.
- Stylish, light weight, discreet and no pipework compared to gas central heating. Very energy efficient - converts all energy directly into heat.
- Each heat panel is individually thermostatically controllable to the desired temperature to further enhance energy savings.

TANSUN HEAT PANELS V OTHER FORMS OF ELECTRIC HEATING

Tansun Heat Panels are the lowest energy and most cost efficient form of electric heating for domestic or commercial buildings. The table below compares the running costs of various types of electric heaters:

TANSUN HEAT PANELS V OTHER ELECTRIC HEATERS

TYPE OF HEATER	AVERAGE kW	COST PER HOUR TO RUN (ELECTRICITY BASED ON 21P PER HR)
Radiant Bar Fire	2.0	42p
Oil Filled Radiator	1.5	32p
Fan Heater	2.0	42p
Convection Heater	2.0	42p
Tansun Efficiency 600	0.3	6.3p

TYPICAL RUNNING COSTS OF TANSUN RADIANT HEAT PANELS COMPARED TO EVERYDAY DOMESTIC APPLIANCES:

PRODUCT	AVERAGE KILLOWATTAGE (kW)	PENCE PER KILOWATT HOUR TO RUN (BASED ON ELECTRICITY BEING 21P PER HOUR)
Washing Machine	1.2	0.25
Kettle	2.5	0.53
Electric Shower	10	2.10
Immersion Heater	3.0	0.63
Vacuum	1.0	0.21
Tumble Dryer	3.0	0.63
Dishwasher	1.5	0.32
TV (+TV Box)	0.5	0.11
Tansun Efficiency 600	0.3	0.06
Tansun Efficiency 900	0.52	0.11
Tansun Efficiency 1200	0.700	0.15

TYPICAL RUNNING COSTS OF TANSUN RADIANT HEAT PANELS COMPARED TO EVERYDAY COMMERCIAL APPLIANCES:

PRODUCT	AVERAGE KILLOWATTAGE (kW)	PENCE PER KILOWATT HOUR TO RUN (BASED ON ELECTRICITY BEING 21P PER HOUR)
Air Curtains	20	4.20
Commercial Fan Heater	9.0	1.89
Hand Dryers	3.0	0.63
Dehumidifiers	15	3.15
Tansun Efficiency 600	0.3	0.06
Tansun Efficiency 900	0.52	0.11
Tansun Efficiency 1200	0.700	0.15

All costs given are an approximate guide only.



MAIN BENEFITS OF TANSUN RADIANT HEAT PANELS

HIGHLY ENERGY EFFICIENT • ENERGY CONVERSION RATES CAN REACH 98% • IP RATING
COST EFFECTIVE COMPARED TO TRADITIONAL HEATING • FULLY CONTROLLABLE
NO MAINTENANCE NEEDED • EASY TO INSTALL
UNOBTRUSIVE DESIGN THAT EASILY BLENDS IN WITH ANY ENVIRONMENT.

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