



Innovative infrared heating systems
for independent, direct and efficient hall and
office heating

Industry & Commerce

PRODUCT CATALOGUE 2024/2025

welltherm[®]



Welltherm heating systems for industry, trade and commerce - THE alternative to fossil fuels

Particularly in large factory halls, but also in offices and commercial premises, heating the entire area is often not possible and simply not economical. It takes a lot of energy to heat an entire hall.

Zone heating with infrared heating systems, which provide pleasant warmth and only heat the necessary areas of large rooms and halls, is an efficient and economical solution.

Our intelligent control technology ensures precise control and therefore efficient heating and optimisation of energy consumption.

In addition, renewable energy sources, such as solar energy, can be used in conjunction with infrared heating systems to further reduce the ecological footprint.



Innovative heating technology

Welltherm GmbH is one of Europe's leading companies in the field of infrared heating.

Welltherm stands for expertise and decades of experience in the development and manufacture of infrared heating systems. This know-how was and is the basis for the highest quality and innovation standards

and thus the foundation for the continuous optimisation and further development of the product portfolio.

With the development of a completely new generation of efficient and high-quality high-performance radiant heaters for industrial heating solutions, Welltherm GmbH is emphasising its innovation and technology leadership.



Electricity is the energy source of the future

Because only electricity can be generated independently and sustainably. A lot of money can be saved when choosing an electricity supplier. Optimised infrared heating systems in combination with e.g. photovoltaic systems and storage units offer even more savings potential. Welltherm infrared systems heat highly efficiently and conserve resources. An uncomplicated thermostat control ensures precise temperature control and guarantees optimum and pleasant heat distribution.

Developed entirely in Germany and manufactured in compliance with DIN ISO 9001, our infrared heaters have been impressing customers for years with their outstanding efficiency thanks to analytically optimised heating conductor geometry.



How do I find the right heating concept?

Every hall is different. One hall is well insulated - another is used by a lorry that is being loaded or unloaded. There are cranes, pillars, cable bridges - or not. There are high and low halls.

One advantage of infrared heating systems is that the heat can be provided as required. In a warehouse, for example, it doesn't matter how many degrees Celsius the sixth floor of the high-bay warehouse is heated to. What matters is that the packing line, the despatch office or picking workstations are heated - with suspended high-temperature heaters or radiant heaters.

The difference to heating registers or complex gas/oil heating systems is:

- Infrared heating systems do not require any project planning.
- Infrared heating systems can be used flexibly.
- Infrared heating systems can be introduced gradually.
- Infrared heating systems can be installed quickly and cost-effectively by your own maintenance team or in-house electrician.

The products on the following pages offer various options for equipping "heat islands" (= work areas) in companies.

The following procedure is recommended here:



1. definition of 'pilot zones':

- o Which work area is suitable for a pilot zone?
- o Where are employees particularly sensitive when it comes to heating?
- o How large is this area?
- o What mounting options are available (wall, ceiling with one or more suspension options and at what height)?



When heating areas - e.g. picking zones, staging areas, packing rooms, etc. - heating with ceramic radiators is ideal (high radiant power over a larger area).



When heating assembly workstations or packing tables, suspended high-temperature heaters are ideal (cosy warmth in a core area).



When heating offices, heaters can be integrated into suspended ceilings or provide additional warmth as desk heaters for those for whom 19-20°C is not warm enough.



2. Pilot phase with selected products:

- o Pre-order e.g. a radiant heater, a high-temperature heater and/or a desk heater.
- o Consideration of regulation (one thermostat per area) and control (radio receiver - as required).



3. Collect and evaluate experiences:

- o The maintenance staff/electricians now know how to install and commission infrared heating systems.
- o Based on the test experience, further areas can be defined and equipped with the tested solutions.



4. Based on this experience, equipping work area after work area with Welltherm infrared heating systems.



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HPPW1950

Technical Data:

Model:	HPPW1950
Power supply:	1/N/PE 230 V
Frequency:	50 Hz
IP rating:	IP20
Area to be heated:	10 - 25 m ²
Technology:	Ceramic radiant heater
Connection cable:	185 cm
Schuko plug:	Yes
Installation height:	ab 1,80 m
Assembly:	Ceiling



Article number	Size (cm)	Power (W)	Heating elements	Weight (kg)	Colour
HPPW1950	46,5 x 10,4	1950	3 Ceramic radiant heater a 650 W	3,1	Alu



HPIW1950

Technical Data:

Model:	HPIW1950
Power supply:	1/N/PE 230 V
Frequency:	50 Hz
IP rating:	IP20
Area to be heated:	10 - 25 m ²
Technology:	Ceramic radiant heater
Connection cable:	185 cm
Schuko plug:	Ja
Installation height:	ab 1,80 m
Assembly:	Ceiling



Article number	Size (cm)	Power (W)	Heating elements	Weight (kg)	Colour
HPIW1950	75,6 x 9,1	1950	3 Ceramic radiant heater a 650 W	2,6	Alu



HP Classic black

Technical Data:

Model:	HP Classic
Power supply:	1/N/PE 230 V
Frequency:	50 Hz
IP rating:	IPX4
Area to be heated:	10 - 15 m ²
Technology:	Ceramic radiant heater
Connection cable:	185 cm
Schuko plug:	Yes
Installation height:	From 1,80 m
Assembly:	Wall & Ceiling



Article number	Size (cm)	Power (W)	Heating elements	Weight (kg)	Colour
HPKS1950	75,9 x 9,5 x 17,1	1950	3 Ceramic radiant heater a 650 W	4,0	Black
HPKS1300	50,9 x 9,5 x 17,1	1300	2 Ceramic radiant heater a 650 W	3,0	Black
HPKSO650	26,0 x 9,5 x 17,1	650	1 Ceramic radiant heater a 650 W	1,7	Black

Article number	Model	Size (cm)	Weight (kg)	Colour
13686	Bracket for tripod	3,3 x 9,5	0,1 kg	Stainless steel bright, uncoated
14214	Ceiling bracket	9,5 x 30,0	0,4 kg	Stainless steel bright, uncoated



HP Glass black

Technical Data:

Model:	HP Glass
Power supply:	1/N/PE 230 V
Frequency:	50 Hz
IP rating:	IPX4
Area to be heated:	10 - 15 m ²
Technology:	Ceramic radiant heater
Connection cable:	185 cm
Schuko plug:	Yes
Installation height:	From 1,80 m
Assembly:	Wall & Ceiling



Article number	Size (cm)	Power (W)	Heating elements	Weight (kg)	Colour
HPGS1950	76,7 x 9,5 x 17,1	1950	3 Ceramic radiant heater a 650 W	4,6	Black
HPGS1300	51,7 x 9,5 x 17,1	1300	2 Ceramic radiant heater a 650 W	3,3	Black
HPGS0650	26,7 x 9,5 x 17,1	650	1 Ceramic radiant heater a 650 W	1,9	Black

Article number	Model	Size (cm)	Weight (kg)	Colour
13686	Bracket for tripod	3,3 x 9,5	0,1 kg	Stainless steel bright, uncoated
14214	Ceiling bracket	9,5 x 30,0	0,4 kg	Stainless steel bright, uncoated



HP Classic white

Technical Data:

Model:	HP Classic
Power supply:	1/N/PE 230 V
Frequency:	50 Hz
IP rating:	IPX4
Area to be heated:	10 - 15 m ²
Technology:	Ceramic radiant heater
Connection cable:	185 cm
Schuko plug:	Yes
Installation height:	From 1,80 m
Assembly:	Wall & Ceiling



Article number	Size (cm)	Power (W)	Heating elements	Weight (kg)	Colour
HPKW1950	75,9 x 9,5 x 17,1	1950	3 Ceramic radiant heater a 650 W	4,0	White
HPKW1300	50,9 x 9,5 x 17,1	1300	2 Ceramic radiant heater a 650 W	3,0	White
HPKW0650	26,0 x 9,5 x 17,1	650	1 Ceramic radiant heater a 650 W	1,7	White

Article number	Model	Size (cm)	Weight (kg)	Colour
13686	Bracket for tripod	3,3 x 9,5	0,1 kg	Stainless steel bright, uncoated
14214	Ceiling bracket	9,5 x 30,0	0,4 kg	Stainless steel bright, uncoated



HP Glass white

Technical Data:

Model:	HP Glass
Power supply:	1/N/PE 230 V
Frequency:	50 Hz
IP rating:	IPX4
Area to be heated:	10 - 15 m ²
Technology:	Ceramic radiant heater
Connection cable:	185 cm
Schuko plug:	Yes
Installation height:	From 1,80 m
Assembly:	Wall & Ceiling



Article number	Size (cm)	Power (W)	Heating elements	Weight (kg)	Colour
HPGW1950	76,7 x 9,5 x 17,1	1950	3 Ceramic radiant heater a 650 W	4,6	White
HPGW1300	51,7 x 9,5 x 17,1	1300	2 Ceramic radiant heater a 650 W	3,3	White
HPGW0650	26,7 x 9,5 x 17,1	650	1 Ceramic radiant heater a 650 W	1,9	White

Article number	Model	Size (cm)	Weight (kg)	Colour
13686	Bracket for tripod	3,3 x 9,5	0,1 kg	Stainless steel bright, uncoated
14214	Ceiling bracket	9,5 x 30,0	0,4 kg	Stainless steel bright, uncoated



Grid ceiling heating

Technical Data:

Front:	Metal, stove-enamelled
Model:	Metal
Colour:	White, RAL 9003
Surface:	Silky matte
Power supply:	1/N/PE 230 V
Frequency:	50 Hz
IP rating:	IP 21
Protection class:	I
Heating technology:	ESHC plus
Connection cable:	1850 mm, white
Schuko plug:	ja
Assembly:	Wall & Ceiling



Article number	Size (cm)	Power (W)	Current (A)	Weight (kg)
PBO330	59,2 x 59,2 x 1,7	330	1,4	7,8
PBO340	61,8 x 61,8 x 1,7	340	1,5	8,0



Glass high-performance IR heater

Technical Data:

Front:	5 mm TSG-H toughened safety glass
Model:	Satino
Colour:	White, similar to RAL 9016
Surface:	Satin finish
Power supply:	1/N/PE 230 V
Frequency:	50 Hz
IP rating:	IP X4
Protection class:	I
Heating technology:	ESHC plus
Connection cable:	1850 mm, white
Schuko plug:	Yes
Assembly:	Wall & Ceiling



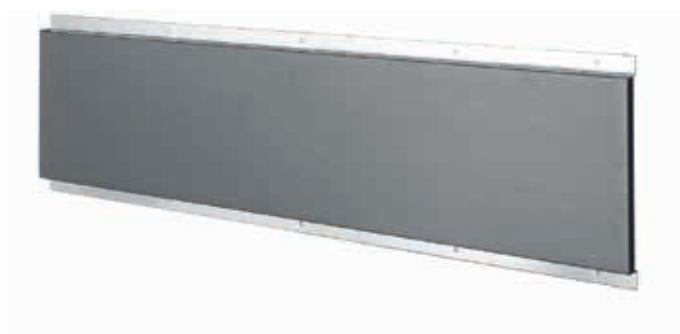
Article number	Size (cm)	Power (W)	IP rating	Weight (kg)
WS0500	600 x 600 x 22	500	IP X4	9,6
WS0750	600 x 900 x 22	750	IP X4	13,5
WS1000	600 x 1200 x 22	1000	IP X4	17,3
WS1300	600 x 1500 x 22	1300	IP X4	22,0



Desktop heater

Technical Data:

Front:	Metal, stove-enamelled
Model:	Desktop
Colour:	Anthracite, RAL 7016
Surface:	Finely textured
Power supply:	1/N/PE 230 V
Frequency:	50 Hz
IP rating:	IP 21
Protection class:	I
Heating technology:	ESHC plus
Connection cable:	1850 mm, black, with dimmer
Schuko plug:	Yes



Article number	Size (cm)	Power (W)	Current (A)	Weight (kg)
ST0100	30,0 x 60,0	100	0,4	3,8
ST0150	30,0 x 100,0	150	0,7	5,9



Comfort:

- Up to 10 years battery life with normal use
- Quick and simple control using the central dial
- Option: Smartphone & tablet control
- Weekly, frost protection and party programs
- Programming interval in 30-minute increments
- Fully automatic summer/winter time adjustment
- Power consumption display (kWh) for the assigned heaters
- Fixed wall mounting or as a standalone model using the supplied base attachment
- Memory function when replacing batteries

Wireless thermostat

Technical Data:

Wireless transmission:	Bidirectional
Protocol:	X3D
Frequency:	868 MHz
Temperature setting range:	+5 °C... +30 °C
Operating temperatures:	+0 °C... +40 °C
IP rating:	IP30
Colour:	White, similar to RAL 9010
App control:	Yes



DE00000



DE00001

Article number	Size (cm)	Model	Programmable	Display colours	Battery lifetime
DE00000	13.5 x 8.1 x 2.2	Wireless thermostat premium	Yes	Green, orange, red	8-10 years
DE00001	8.1 x 8.1 x 2.2	Wireless thermostat basic	No	Blue	8-10 years

Receiver & Router

Technical Data:

Wireless transmission:	Bidirectional
Protocol:	X3D
Frequency:	868 MHz
Range:	Up to 300 m in unobstructed terrain
Standby consumption:	Approx. 0.45 W
Power supply:	1/N/PE 230 V
Colour:	White, similar to RAL 9010
App control:	Yes

Technical Data:

Wireless transmission:	Bidirectional
Protocol:	X3D, ZigBee, X2D
LAN port:	Yes
Range:	Up to 300 m in unobstructed terrain
Operating temp.:	0 °C +40 °C
IP rating:	IP30
Power supply:	1/N/PE 230 V
Colour:	White, similar to RAL 9010
App control:	Yes



DE00010



DE00011



DE00012



DE00020

Article number	Model	Size (cm)	Switching capacity (A)	Connection type
DE00010	Surface-mounted receiver	12,0 x 5,4 x 2,5	16	Terminal strip
DE00011	Plug socket receiver	14,0 x 7,2 x 7,3	16	Plug-in terminal
DE00012	Flush-mounted receiver	5,0 x 4,7 x 3,3	10	Terminal strip
DE00020	Router Typ DE	10,0 x 10,0 x 2,6		



LED light frame

From an energy point of view, positioning an infrared heater on the ceiling is the optimum. In the case of renovation or retrofitting, it is also easy to fall back on existing wiring. However, the loss of existing ceiling lights is a deterrent for many builders.

That is why Welltherm has developed an LED light frame that (with or without an additional power cable) emits a pleasant warm-white, dimmable light in addition to the cosy warmth of the infrared heating.

Thanks to its modular design, it is suitable for both metal and glass heaters. Installation on the wall is just as possible as on the ceiling.

The light frame is an attractive accessory especially for wall-mounted mirror heaters.

Advantages:

- Easy and quick retrofitting to wall- and ceiling-mounted infrared heaters using special magnetic holders.
- Efficient, dimmable LED technology with pleasant warm white light.
- Installation either as a fixed connection or radio version:

Fixed connection:

Light frame is connected to the existing light line and light switch.

Wireless connection:

Light frame is connected to the heating line with the heating. A designer wall switch in universal 5.0 x 5.0 cm format controls the light.

3 D light



Magnetic holder



EasyPlugg



LED light frame



Technical Data:

Colour:	Aluminium, RAL 9006
Light colour:	Warm white (3.000 K)
Width:	2,6 cm
IP rating:	IP20
Ambient temperature:	-20° bis + 50°C
Assembly:	Wall & Ceiling

Article number	For heater format (cm)	Size (cm)	Luminous flux (lm)	Power (W)	Weight (kg)
LI060060	60,0 x 60,0	61,0 x 61,0	4.150	53	0,95
LI090060	60,0 x 90,0	61,0 x 91,0	5.150	66	1,15
LI120060	60,0 x 120,0	61,0 x 121,0	6.150	80	1,35
LI150060	60,0 x 150,0	61,0 x 151,0	7.200	93	1,60
LI120090	90,0 x 120,0	91,0 x 121,0	7200	96	1,65

Preassembled sets

Article number	Model	Size (cm)	Rated voltage	Power (W)
Fixed connection				
LI00300	Transformer, dimmable (voltage sink, 2 x 50W)	17,7 x 5,7 x 22,5	220 - 240 V AC	2 x 50
Wireless connection				
LI00400	Wireless switch	5,0 x 5,0 x 1,5	220 - 240 V AC	100
	Transformer (100W) & Dimmer	10,2 x 3,7 x 2,0	12-48 V DC	

Single parts:

Article number	Model	Size (cm)	Rated voltage	Ambient temperature
LI00040	Wireless switch	5,0 x 5,0 x 1,5	230 - 240 V AC	-20° to +50°C
LI00060	Connection cable Schuko	150,0		-20° to +50°C
LI00070	Transformer & Dimmer (Wireless connection)	10,2 x 3,7 x 2,0	12-48 V DC	-20° to +50°C

