
Thermoglance®
THE CRYSTAL THAT HEATS
THE RIGHT CLIMATE WITH A GOOD LOOK FOR MAXIMUM WELLBEING

GLASS FOR HEATING AND FURNISHING

The real breakthroughs in technology are those where the benefits are there for all to see and the technology is not. **Thermoglance** is one of these. The most representative and best-equipped spaces can be heated by **elegant glass radiators**, whose transparency and physical appearance will improve the aesthetics of the room.

TOTAL WELLNESS

Like the sun **Thermoglance** runs through the infrared rays that heat mostly objects and surfaces without interfering with the atmosphere. This allows homogeneous distribution of heat, therefore absolute **wellness** for the human body avoiding the unpleasant sensation of a hot head and cold feet. The irradiation system gives heat leaving the air healthy, without dust and with its natural humidity, so that people who have allergies or are prone to sore throats can breathe freely.

INVISIBLE TECHNOLOGY FOR A VERY TANGIBLE COMFORT

Thermoglance electric radiators are made of two sheets of 6 mm clear glass heat-treated and laminated to a **full security** and protection. Their surface reaches a temperature of about 75° C and unlike normal radiators, energy transmission is 70% for irradiation and only 30% convection. This relatively low temperature, ensures **maximum heating comfort** characterized by a mild sensation of warmth without any noise or smell, furthermore efficiency is close to 100%, since heat is formed in the same place where it is used.

SIMPLICITY AND ITS ATTENDANT ADVANTAGES

ECOLOGICAL: *Glass, Electric Power, High Performance*, are elements that distinguish **Thermoglance** as a product aimed at energy saving and environmentally friendly.

DESIGN: Thanks to the transparency and consistency, Thermoglance matches very well with both modern and classical situations and where precious surfaces need to be highlighted.

CLEANING AND HYGIENE: Flat surfaces are the easiest to clean. Added to this, convection currents are reduced to a minimum which means that dust and therefore allergies are almost eliminated.

EASY MANAGEMENT: Just switch on Thermoglance at any time to warm up as you like, **no maintenance**, **no complication**.

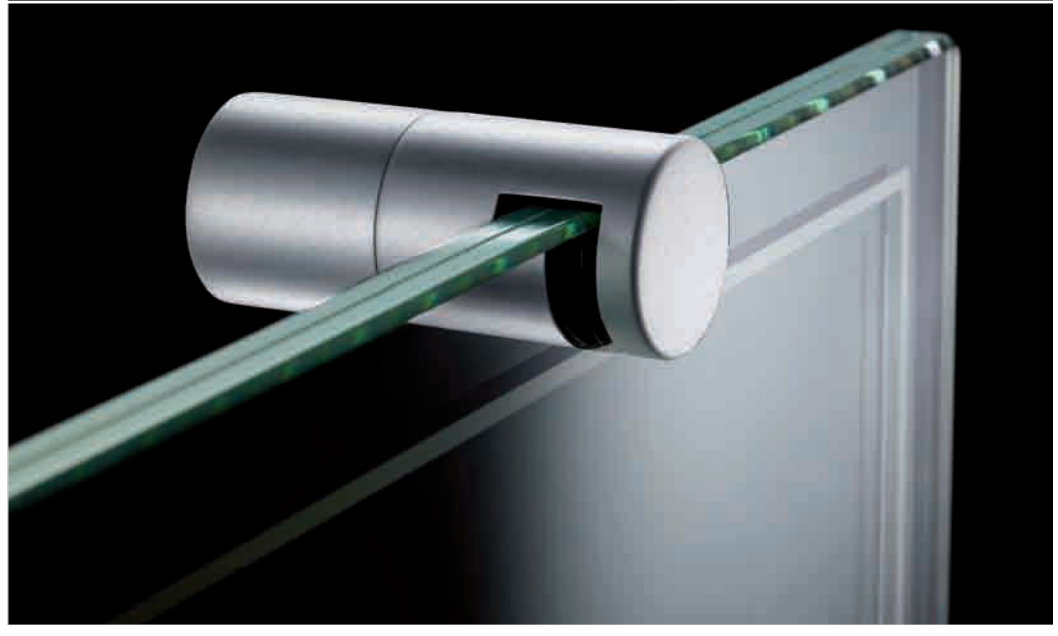
VERSATILITY: Placed on the ground or wall mounted with elegant hardware Thermoglance fits all the needs with a small size, making it a handy **heated towel rail** in the bathroom.

SILENT AND RELIABLE: The nature of a heat generator at the solid state, without liquids or moving parts, practically eliminates noise and reduces the number of breakdowns to almost zero.


MODA

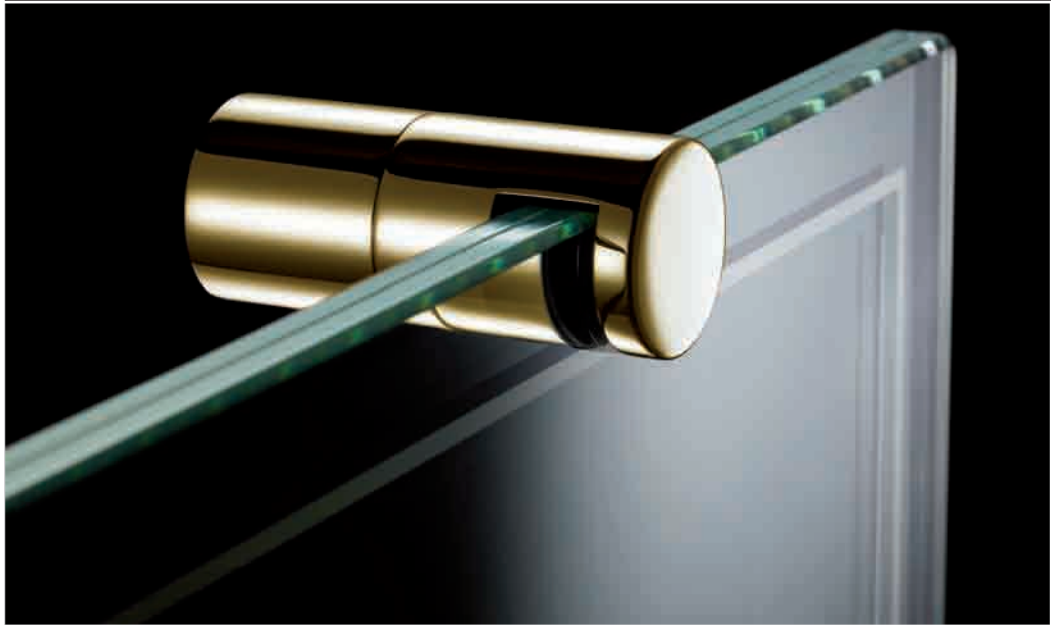
CROMO | **CHROME**

CROMO OPACO | **MATT CHROME**



FITTINGS AND FINISHES

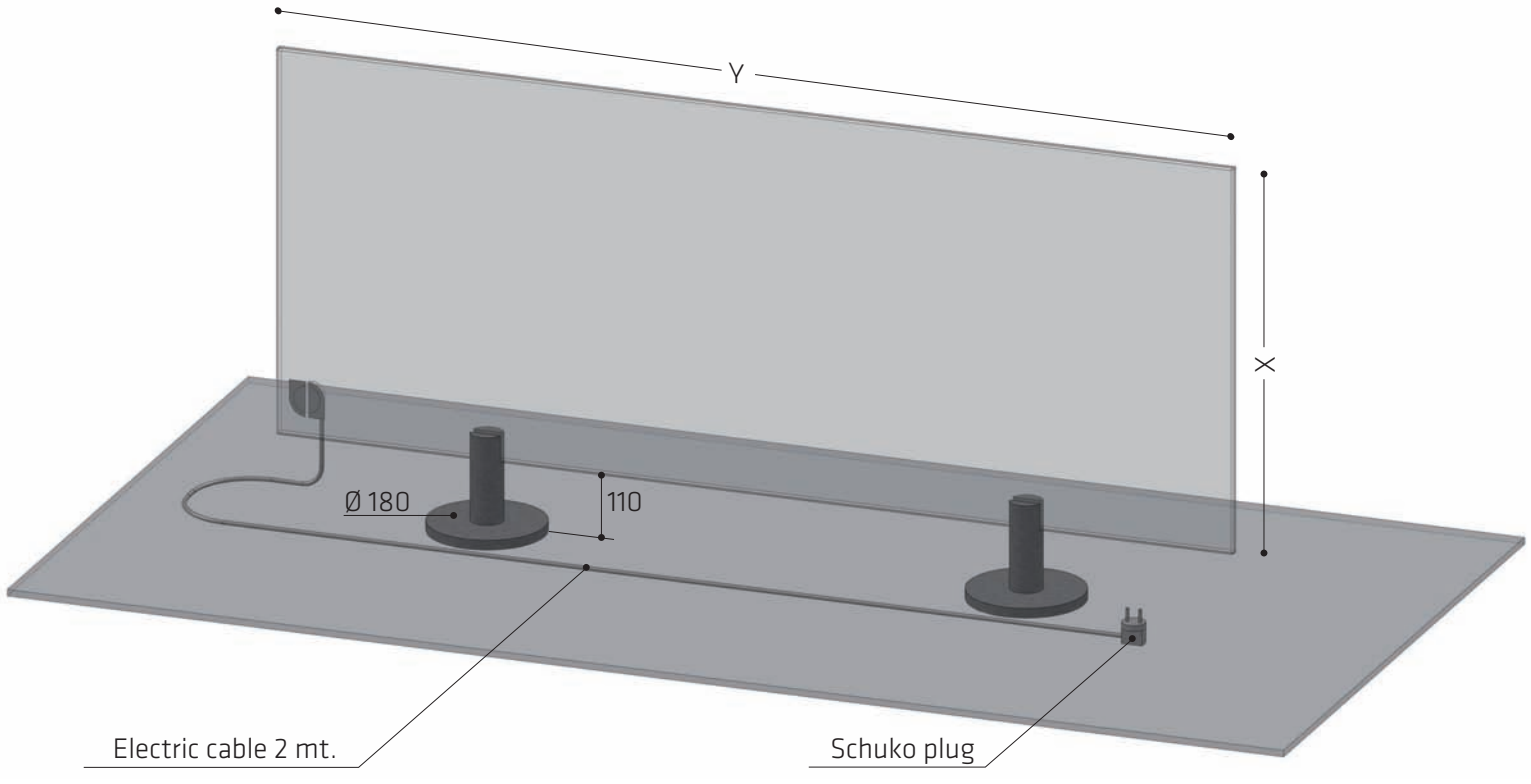
ORO | **GOLD**

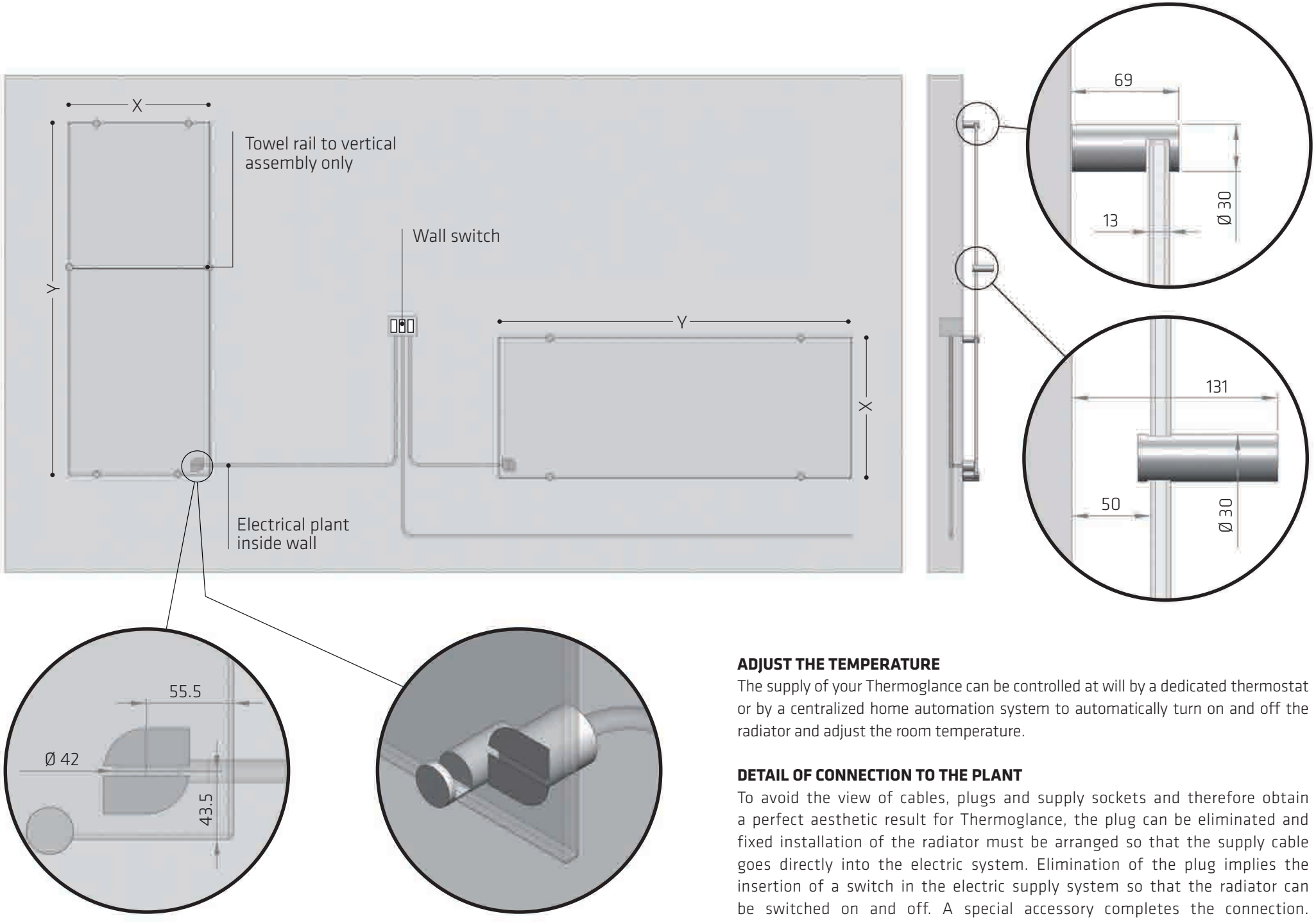


SIMIL INOX SATINATO | **BRUSHED STAINLESS STEEL**

TECHNICAL SHEET

Mod.	X mm	Y mm	Kg	Watt	General
5641021000	400	1000	20	330	230 Volt Class II IPX4 CE
5641521000	400	1500	26	510	
5660421000	600	400	15	200	
5660821000	600	800	22	450	
5661221000	600	1200	31	700	
5661521000	600	1500	37	900	





ADJUST THE TEMPERATURE

The supply of your Thermoglance can be controlled at will by a dedicated thermostat or by a centralized home automation system to automatically turn on and off the radiator and adjust the room temperature.

DETAIL OF CONNECTION TO THE PLANT

To avoid the view of cables, plugs and supply sockets and therefore obtain a perfect aesthetic result for Thermoglance, the plug can be eliminated and fixed installation of the radiator must be arranged so that the supply cable goes directly into the electric system. Elimination of the plug implies the insertion of a switch in the electric supply system so that the radiator can be switched on and off. A special accessory completes the connection.

FREQUENT ASKED QUESTIONS

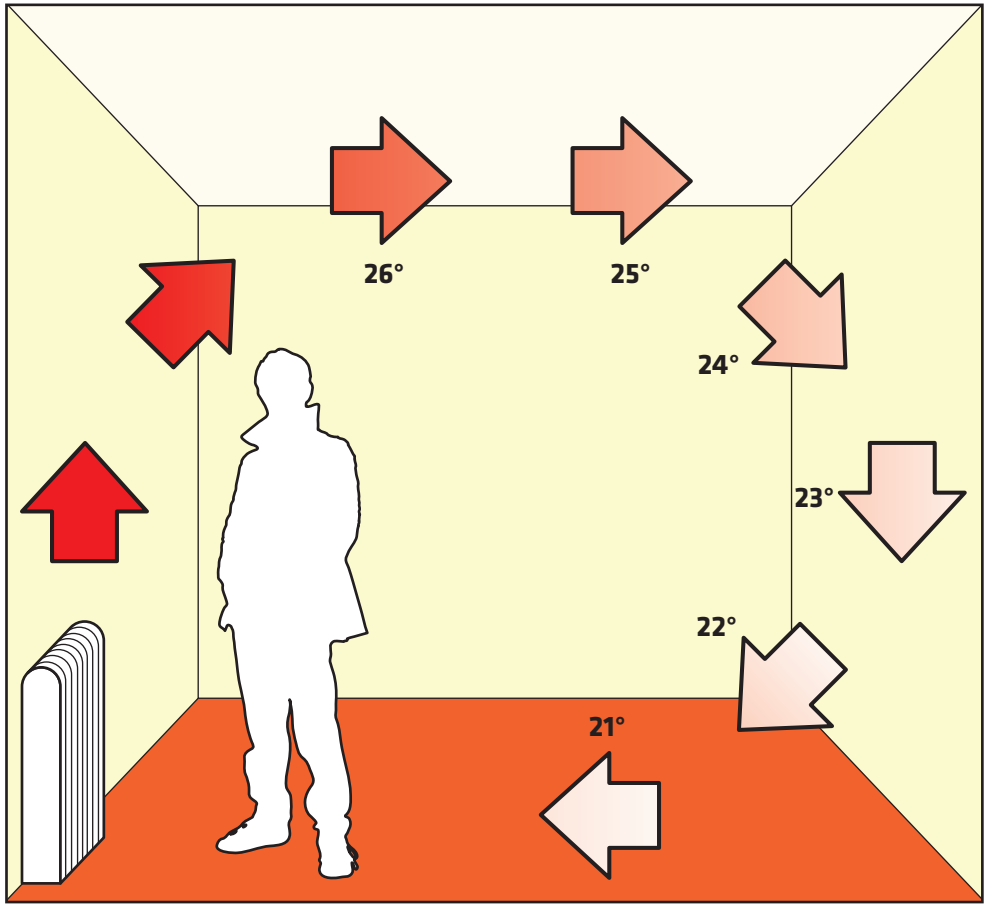
What is convection heating?

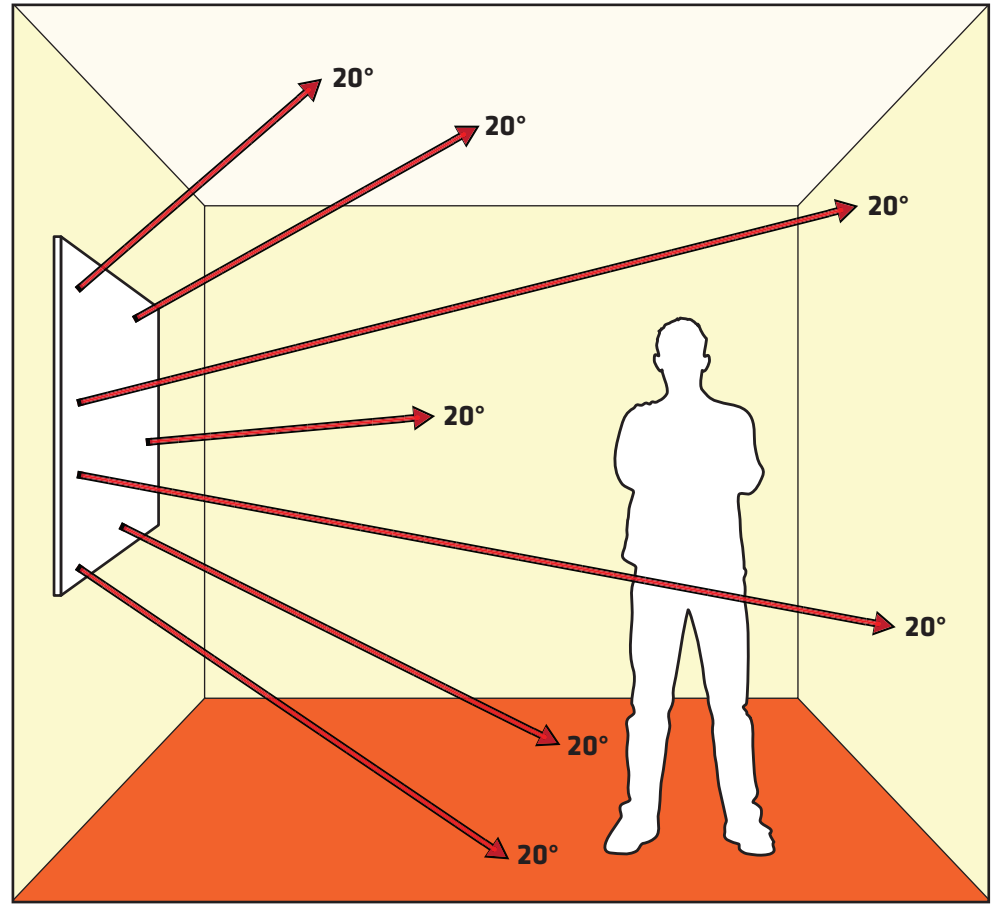
When radiators heat the air of a room we achieve convection heating, this generating a convective mode rises and touches the objects to which it gives heat, as it cools down it falls back down to the ground and the cycle starts again.

As we all know this system causes currents of dry air which carry dust and bacteria. It is not so much the heat (*energy*), but the hot air that rises, therefore the convection system produces hot air at the top and cooler air at the bottom.

What is irradiation heating?

Like the sun, irradiation heating is multi directional and functions using infra-red rays which predominantly heat objects and opaque surfaces without interfering with the atmosphere. This permits homogeneous distribution of heat, therefore absolute wellness for the human body avoiding the unpleasant sensation of a hot head and cold feet. The irradiation system gives heat leaving the air healthy, without dust and with its natural humidity, so that people who have allergies or are prone to sore throats can breathe freely.





How is it made and how does it work?
Thermoglance is an electric radiator made of transparent glass which works by irradiation. It consists of two glass sheets that are stratified and thermally treated. A particular Laser technology obtains the transparent resistance which heats up with the electricity supply. The appliance is a single very compact and indestructible unit, without internal fluids. It comes with a 2 metre cable and schuko plug which supplies continuously using the standard electricity supply. A luminous light indicates that it is in operation and it needs only 10/15 minutes to heat up. Unlike the common electric heaters with very hot resistances, Thermoglance works with relatively low temperatures, heat is therefore extremely delicate and pleasant, noise and odour free.

How much space can Thermoglance heat up?
Energy requirements to heat up the home (*average height 3 metres*) varies from 100 to150 watt/m2 and this value depends mainly on the insulation of the building and on the local climate.
Example: A room 3 x 3 metres = 9 m2 x 100 watt = 900 watt of energy requirement. In this case Thermoglance 600 x 1500 of 900 watt is enough. This is only an indication, for more precise data we recommend contacting a thermo consultant technician.

How much does it consume?
Example: Average cost of electricity in Italy €/kwh 0,20 x 900 watt/1000 = 0,18 Euro/hour Thermoglance 600 x 1500 with 900 watt costs 0,18 Euro for every hour of operation.

Can it be installed in the bathroom near the shower?
Thermoglance is extremely useful in the bathroom, simply adhere to the laws that establish the minimum distance from the source of water to the shower or bath.

Can clothes or towels be placed directly on electric radiators?
Thermoglance has practical handles to hold towels or various clothing. Clothes or towels must not be placed directly on electric radiators, it can cause overheating which can lead to damage or breakage of the radiator itself. Each radiator has the sign WARNING: DO NOT COVER.

What is the maximum temperature it reaches?
During operation Thermoglance reaches approximately 75° C; even if this temperature can seem high the glass being an insulator does not release heat immediately, the radiator can therefore be touched without danger. It is the glass which makes the difference.

Does it emit electromagnetic waves?
The electric circuit of Thermoglance emits electromagnetic waves which can be compared to those of any household appliance.

What happens if glass breaks?
Due to two stratified sheet, if glass breaks, it remains completely fixed without crumbs and without electric shock hazard.

It's a safe product?
Thermoglance has passed all the tests and obtained certificates from the most important organizations that confirm the overall safety of the product and full respect of rules.

How long does it last?
Thermoglance does not have parts in movement which can wear and no maintenance is needed. The low operational temperature makes unlimited duration possible.

Is it easy to install?
Thermoglance is a "plug & play" appliance, it can be easily fixed to the wall or to the floor, once installed it can be connected to a standard socket and it works immediately. Each radiator comes with a multilingual manual with clear explanations for use and assembly.

Why is Thermoglance è economically advantageous?
- In the mid seasons and when necessary, the bathroom can be heated in a few minutes without having to switch on the main system, or create "*an island of heat*" in the home.
- Irradiation heating compared to a traditional system saves Energy, since evena room temperature lower than 3° C gives the same sensation of heat. Each centigrade corresponds to approximately 5% of consumption, therefore a saving of 15%.
- Thermoglance has a nearly 99 % return therefore it consumes only what is necessary to obtain the desired temperature. The traditional system using combustion does not exceed 80%.
- Thermoglance does not need maintenance or period checks.
- Energy coming from renewable sources can be exploited such as photovoltaic panels.
- The cost of an electric system is approximately ¼ compared to the equivalent plumbing system.

Altogether it is clear that it is a real advantage.

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