



calidus<sup>®</sup> Ltd.

THE INFRARED HEATER COMPANY



**An elegant heater that brings the sun's  
soothing and healthy warmth to your  
living spaces**





Handcrafted

Easy Installation

Decorative Effect

7-Year Warranty

Comprehensive Assistance

Timeless Design

High Energy Efficiency

Optimum Moisture Content

German Licence



# What is Infrared Radiation?



The biggest infrared radiation source is the Sun. Solar radiation emits in different wavelengths. The infrared rays which has long wavelengths cannot be seen by bare eyes but can be felt on the skin. This heating energy is so important that you can see all the living creatures try to have some. Animals sunbath all the time, plants compete with each other to reach sunlight.



## How and Where is Calidus Infrared used?

You can use Calidus in all your living areas (residences, workspaces, artspaces, shops, clinics, movement studios, restaurants, schools, kindergartens etc.). It is available in different sizes, with colors/images of your choice. It can be mounted on the wall and the ceiling. It is suitable to use in wet rooms.

Our professional team studies your place and offers the most aesthetic and efficient solutions. We also offer industrial solutions for workspaces.

We offer our services in every phase of the process. You can have your Calidus either on your wall or ceiling with/without an indirect lighting.



# How Do The Traditional Heaters Work?

Traditional heating systems works by heating the air in the room using convection to transfer heat to the surrounding air. The air cycles in the room from the floor to the ceiling. This is the problem of this system , actually. If you open the door or window, the heated air will leave the room. This principle reduces the efficiency.

27 °C

17 °C





# How Does Calidus Work?

Infrared rays heat the humans, walls, furnitures etc. The objects and walls absorb the heat and emit slowly back to the room. The obtained heat stays in the walls and objects longer than the air. Heat layers won't occur so the warmth will be more homogeneous.

**22.5 °C**

**21.6 °C**







## Healthy

Infrared rays have a positive effect on us like sunlight. Reduces the indoor humidity, keeps it in optimum levels so it prevents bacteria and molds. Since it doesn't generate air flow, air-borne bacteria and viruses won't spread. It provides comfortable environment for those who has asthma, bronchitis or allergies.









## Economic

No maintenance cost,  
Easy installation,  
Space saving,  
Long lifetime with Dark Infrared  
No heating coil,  
High energy efficiency,  
Heat control with thermostat,  
7 year warranty.

## Eco-Friendly

Produced with eco-friendly materials,  
No CO<sub>2</sub> or micro-dust emission,  
High energy efficiency,  
Compatible with solar energy systems.



# Energy Consumption

Calidus W800 heats approximately 20m<sup>2</sup> area. When used constantly it works actively 6 hours a day on average.

Consumption:  $\sim 0.800\text{W} \times 6\text{h} = 4.8\text{KWh}$

This consumption may vary due to the insulation and orientation of the building, warmth comfort standards of the people.



MODEL	POWER	DIMENSIONS (MM)	WEIGHT	AREA OF USAGE (mediterranean)	AREA OF USAGE (above -18°C)
W 170	220V / 50HZ / 170W 1,0 A	420 x 600 x 25,5	5,8 kg	1 m <sup>2</sup>	1 m <sup>2</sup>
W 350S	220V / 50HZ / 350W 1,5 A	1200 x 420 x 25,5	7,7 kg	2- 3m <sup>2</sup>	1- 2m <sup>2</sup>
W 350	220V / 50HZ / 350W 1,5 A	800 x 600 x 25,5	9,8 kg	2- 3m <sup>2</sup>	1- 2m <sup>2</sup>
W 450	220V / 50HZ / 450W 2,0 A	1050 x 600 x 25,5	12,5 kg	4- 7m <sup>2</sup>	3- 5m <sup>2</sup>
W 550	220V / 50HZ / 550W 2,5 A	1250 x 600 x 25,5	14,6 kg	8-11 m <sup>2</sup>	6- 8m <sup>2</sup>
W 620	220V / 50HZ / 620W 3,0 A	1400 x 600 x 25,5	16,5 kg	12-15m <sup>2</sup>	9-11 m <sup>2</sup>
W 700	220V / 50HZ / 700W 3,5 A	1600 x 600 x 25,5	18,0 kg	16-18m <sup>2</sup>	12-14m <sup>2</sup>
W 800	220V / 50HZ / 800W 4,0 A	1800 x 600 x 25,5	19,9 kg	19-21 m <sup>2</sup>	15-17 m <sup>2</sup>



Calidus is an elegant and efficient heating system which is available in different sizes, horizontal/vertical, on the wall/ceiling, in color or image printed of your choice.

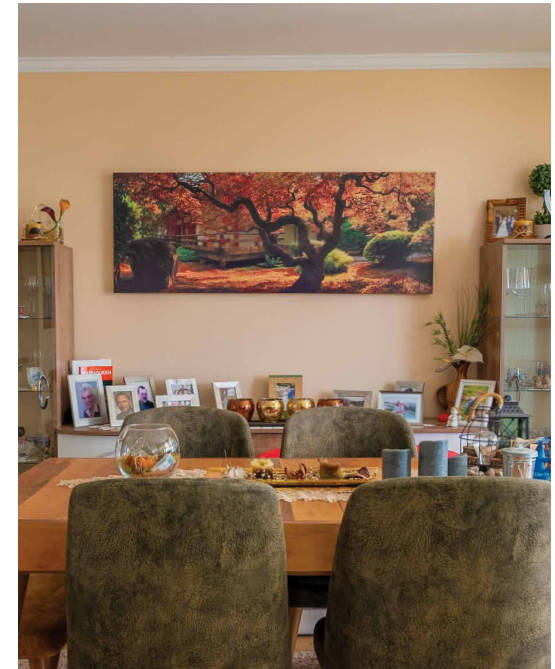
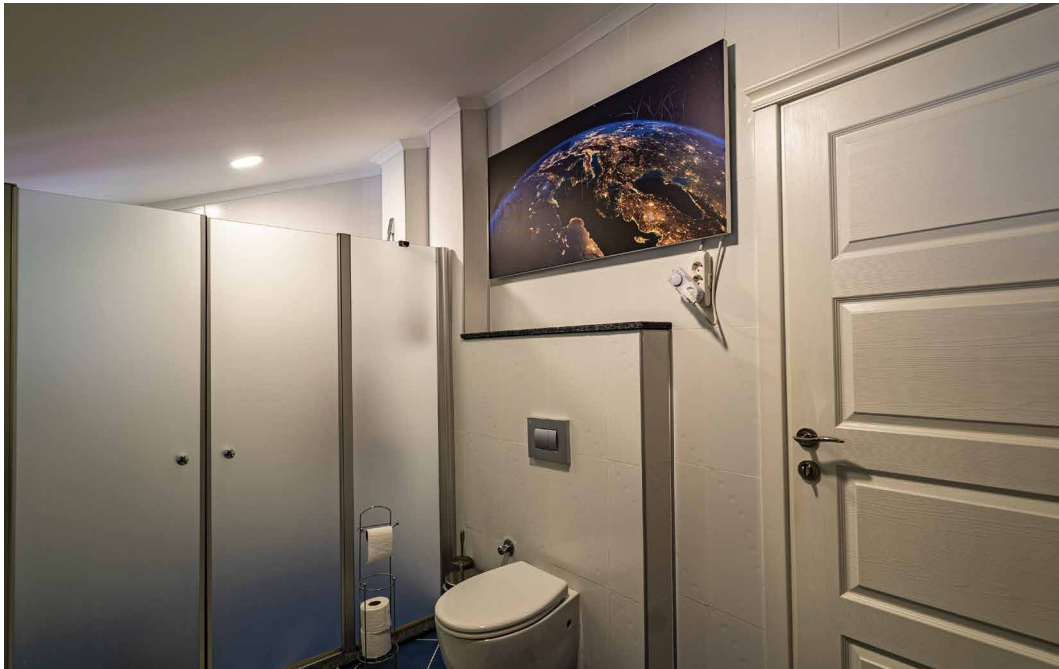




If you wish,  
it stands  
out like a  
artwork.  
Or...



It becomes  
inconspicuous









<b>Customer</b> (Auftraggeber)	EnTec Akzente GmbH Badstrasse 33 09669 Frankenberg, Germany (Deutschland)
<b>Order</b> (Auftrag)	Dated: 2015-09-08 (vom:)
<b>Aim of test</b> (Zweck der Prüfung)	Verification of conformity with the requirements concerning electromagnetic fields (EMF) according to the low voltage directive 2006/95/EC (Nachweis der Einhaltung der Schutzanforderungen bezüglich elektromagnetischen Feldern (EMF) nach der Niederspannungs-Richtlinie 2006/95/EG)
<b>Product</b> (Erzeugnis)	Infrared panel radiator (Infrarot-Flachheizkörper)
<b>Type</b> (Typ)	PB-4/R/IP44
<b>Manufacturer</b> (Hersteller)	EnTec Akzente GmbH Badstrasse 33 09669 Frankenberg, Germany (Deutschland)
<b>Date of test</b> (Prüfzeitraum)	2015-09-30
<b>Location of test</b> (Prüfungsort)	Accredited EMC laboratory of the SLG Prüf- und Zertifizierungs GmbH Hartmannsdorf (akkreditiertes EMV-Labor der SLG Prüf- und Zertifizierungs GmbH Hartmannsdorf)
<b>Test base</b> (Prüfgrundlage)	EN 62233:2008
<b>Test result</b> (Prüfergebnis)	The sample fulfils the EMF protection requirements according to directive 2006/95/EC in conformity with the standard listed under test base. (Der Prüfling erfüllt die EMF-Schutzanforderungen entsprechend Richtlinie 2006/95/EG nach der in der Prüfgrundlage genannten Vorschrift.)

The test results refer to the tested samples only. Authorisation for the copying of details of this report must be obtained from the SLG Prüf- und Zertifizierungs GmbH.  
[Die Prüfergebnisse beziehen sich ausschließlich auf die in diesem Bericht genannten Prüfungsgegenstände. Die auszugsweise Vervielfältigung dieses Berichtes für Dritte ist nur mit schriftlicher Genehmigung der SLG Prüf- und Zertifizierungs GmbH gestattet.]

Revised by (geprüft):

  
Svadlenka  
Head of EMC laboratory (Leiter EMV-Labor)

Tested by (gemessen):

  
Cromm  
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Our products are tested and certified by German SLG TEST company for efficiency and safety.

Calidus Infrared Heat Panels are handcrafted in Turkey with under licence of German Wavlex.



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