

ALWAYS

on the sunny side

with the innovative infrared heaters from ComfortSun





Your experienced partner in outdoor and indoor heating technology

The demand for energy consumption, safety and ecology requires new products and technologies in modern heating technology. Especially infrared offers many advantages in this regard and is outstanding in terms of energy efficiency.

Dipl.-Ing. Klaus-Dieter Knoch (fig. left), CEO and leading engineer of the Knoch Infrarot-Technik GmbH, has been dealing with heat systems since 1991 and focuses on continuous further development and research. In 2004 a newly developed halogen lamp, (Helen) from Philips, created the foundation of our ComfortSun radiant heater division.

At our headquarter in the Free State of Thuringia in Germany our heaters are assembled according to customer requirements in order to guarantee safety and satisfaction. Christoph Kaiser, head of sales (fig. right), and his team are in daily contact with customers to produce the ordered heaters according to their requirements.

ARE YOU READY FOR THE COMFORT OF LIFE





Efficient through innovation

Heat precisely

Warmth is the basis of our life and health. It is transmitted through the air, material or the rays of light. Infrared is a warming part of the natural solar spectrum. Like light it can be focused and transferred almost lossless without the impairment from wind. It warms bodies and materials on which it's falls. This is how our ComfortSun heaters use over 90% of the electrical energy and directly transfer it as warmth on bodies and materials.

No other heating system can do this!



Infrared radiant heaters are cheap, efficient, environmentally friendly and safe. The modern technology offers an output of 90% of warmth. Only 10% of the energy is converted into light. That's why infrared heaters have up to 30% less energy consumption than comparable heating systems. Furthermore the technology convinces with a low-maintenance and a long life cycle. Sustainable Heating guaranteed!



Infrared- Sudden pin point warmth for different areas of application

» Outdoor «

Independent of wind / almost loss-free heat transfer / focusable / particularly suitable for the cooler seasons (early spring and late autumn)

» Indoor «

Point heating for halls, pools, churches, workplaces / heat in seconds / energy-efficient / against mold formation / allergy-friendly



ComfortSun at Home



Balcony & patio

Enjoy warm hours

Experience the cozy warmth of the sun all year long on your patio, the balcony, in the winter garden or garden shed. Only heat when you need warmth immediately. The unbeatable efficiency from ComfortSun guarantees instant warmth at the push of a button. Our infrared heaters can be integrated discreetly or used mobile e.g. under the awning or on the stand.



Bathroom

Feel good at the push of a button

On damp skin the benefits of an infrared heater are particularly good. You feel the beneficial warmth immediately after switching it on. Enjoy the highest level of comfort through our jet water proofed heaters. Mold growth is prevented and can be reduced actively – Ideal usage in damp rooms.



Changing table

Nest warmth for your baby

The ideal temperature while putting on a baby's diaper lies between 23 and 25 centigrade. Our ComfortSun changing table heater protects your offspring from cooling down. Its uncomplicated installation 1 m above the changing table guarantees the perfect supply for pleasant cozy warmth. Our double-walled heating tube ensures 100 percent splinter protection.

ComfortSun at Work



Hotel, restaurant & café

More efficient outdoor gastronomy

Infrared radiant heaters offer a heating range of several meters combined with maximum efficiency. Expand the usability of your outdoor gastronomy. The modular heating system can be used and mounted in a variety of ways - for example on awnings.



Churches, castles & old buildings

New life in old walls

Fast warmth and comfort in historical walls. Just heat when you require immediate heat. Infrared emitters are particularly recommended for wooden structures. The warm light is atmospheric and inviting - Immediate heat as required without preheating.



Fire and rescue services

Warmth in case of emergency

Fast and reliable instant heat is essential for many rescue missions. It protects those who are affected by accidents or other emergencies from hypothermia. Powered by the generators of the emergency vehicles and flexible mountable on tripods, ComfortSun infrared emitters are the perfect rescue tools.



Livestock farming

Warmth for the benefit of animals

Not only humans enjoy pleasant infrared warmth. Secure, comfortable and easy to mount our heaters can be attached on stable sides or enclosures to provide sufficient heat for our four-legged friends. Especially for young animals and their rearing ComfortSun infrared heaters are predestined.



(Christmas) markets

Hot in the ice

High requirements for outdoor events show the full strength of ComfortSun infrared heaters: Almost lossless heat transfer and wind independence on Christmas or weekly markets. Create a cozy feelgood atmosphere for better sales.



Assembly halls

For the perfect grip

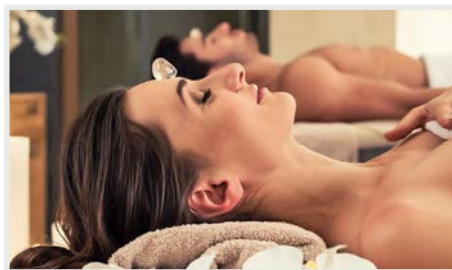
Optimal work with selective and dosed warmth for hands and material: With infrared heaters you work all year long on construction sites, in assembly halls or outdoor storage areas. Infrared heat has been used successfully for many years in industrial as well as artisanal production.



Doctors' offices and hospitals

Warmth for the well-being of patients

In many clinics the demand for pin point warmth lies especially in the field of childcare. Resident paediatricians appreciate the ComfortSun baby spotlights and equip changing and examination tables in their practices to create more comfort for the little ones among us before and during treatment. Especially waiting areas get equipped with ComfortSun heaters to provide cozy warmth before, during or after an examination



Physiotherapy and wellness

Relaxation of the muscles

The radiation with infrared takes, in most cases, place as a preparatory treatment to a massage or physiotherapy. In the field of physical therapy and wellness treatments the efficient ComfortSun heaters are very popular. Tense muscles get loosened and the pain related to them disappears. For this reason the massage treatment works better and is more sustainable reducing future pain.



Further application scenarios

- Greenhouses
 - Retail sector
 - Gyms
 - Changing rooms
 - Stadiums
 - Golf courses
 - Exhibitions
- ... and much more



Enjoy the evening

Ideal for

Patios,
balconies and
winter gardens.

The right light for every occasion.

4 light colors and one mission – **instant warmth**

ComfortSun, as a pioneer on the market for halogen infrared heaters, offers you 4 different light colors according to your purpose, which will always supply you with heat within seconds, accurately and precisely.





Infrared technology

Golden Glare

Heaters with the golden lamps generate infrared A- and B radiation from a tungsten filament and filter with its coating the visible light. The long-life lamps burn > 5,000 h and achieve up to 90% heat benefit.

Ideal for:

Gastronomy, patios, winter gardens, hospitals, doctors, fire departments, retail



Infrared technology

Low Glare

Only around 15% of the visible light from a golden glare spotlight is generated with low glare technology. The infrared radiation contains a larger proportion of infrared light from the invisible spectrum. The lamps burn for > 5,000 h and achieve up to 90% heat efficiency. Reduced light and glare.

Ideal for:

Terraces, bathrooms, animal husbandry, greenhouses, assembly companies, changing rooms



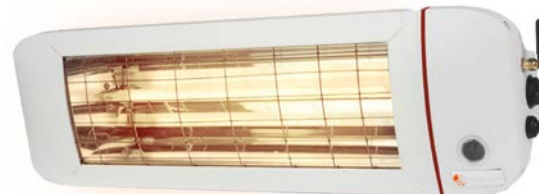
Infrared technology

Dark Glare

For those who want it particularly cozy under their infrared heater. Dark glare lamps provide almost no light. The lamps burn for > 4,000 h and achieve up to 90% heat efficiency. Commercially available dark radiators with a special glass front to reduce the brightness just offer insufficient heat output - especially outdoors. Thanks to the special coating, the brightness is specifically reduced to a minimum with almost no reduction in heat output. For those who want to enjoy a dark heater with noticeable instant warmth!

Ideal for:

Gastronomy, churches, wellness and physiotherapy, exhibitions, patios, awnings



Infrared technology

White Glare

The white lamps shine with 2700 Kelvin warm white reading light. The heat development is completely retained without red light components, which are 100% absorbed by the special coating.

Ideal for:

Gastronomy, bathrooms, winter gardens, production halls, exhibitions, awnings, hotels, terraces

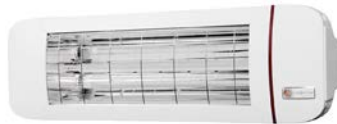
Sudden precisely heat guaranteed



ComfortSun 25 Baby heater

750 Watts

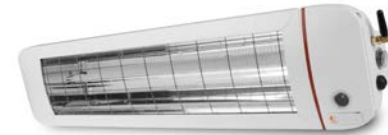
Your infrared changing table heater with a special low glare lamp and double-walled heating tube for 100 % splinter protection.



ComfortSun 25 The allrounder

1200, 1400 & 2000 Watts

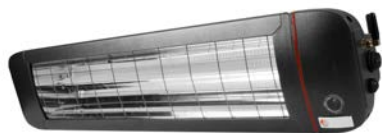
Your infrared heater with rocker or pull switch for areas of up to 16 m². Ideal for patios.



ComfortSun 25 BT The innovative heater

1400, 2000 & 2800 Watts

Your bluetooth infrared radiant heater with app control for areas of up to 18 m².



ComfortSun 25 DG

The dark heater

2000 & 2800 Watts

Maximum instant warmth with minimum light output. Innovative dark glare infrared technology for a cozy ambience. With app and remote control for areas up to 18 m².



ComfortSun 65

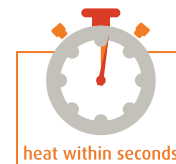
Infrared Tower

2000 Watts

Your Bluetooth infrared tower with app and remote control. For areas up to 14 m². Modern ultra low glare 09 lamps create a cozy atmosphere. Compact, mobile and flexible to use.







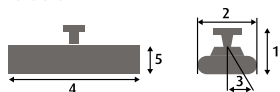
Changing Table heater

The ComfortSun changing table heater provides maximum safety and cosy heat for your baby. Our unique double layer heating tube offers reliable splinter protection.

ComfortSun25 750 Watts

Capacity	750 Watts	Protection class	IP 25
Heatable area	up to 2 m ²	Power connection	230 V / 50 Hz- kj/1,8 m
Weight	2,3 kg	Cable length	1,8 m

Dimensions



Installation



1 Total height	310 mm	Wall mounting	Stand
2 Width	155 mm	Ceiling mounting	Parasol bracket
3 Tilting range	90°		
4 Length	395 mm		
5 Height	95 mm		

Order number

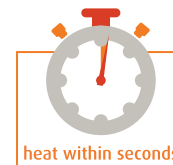
Version	Without switch	Rocker switch	Pull switch
Colour	Low Glare 09		
White	5100400	5100403	5100406
Titanium	5100401	5100404	5100407
Anthracite	5100402	5100405	5100408





Bathroom heater

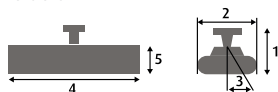
From cold 17 to pleasant 24 degrees in one second:
No more cumbersome and energy-wasting preheating with ComfortSun bathroom heaters.



ComfortSun25 1200 Watts

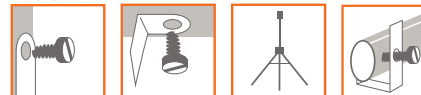
Capacity	1200 Watts	Protection class	IP 25
Heatable area	up to 10 m ²	Power connection	230 V / 50 Hz- kJ/1,8 m
Weight	2,1 kg	Cable length	1,8 m

Dimensions



1 Total height	180 mm
2 Width	155 mm
3 Tilting range	35°
4 Length	480 mm
5 Height	95 mm

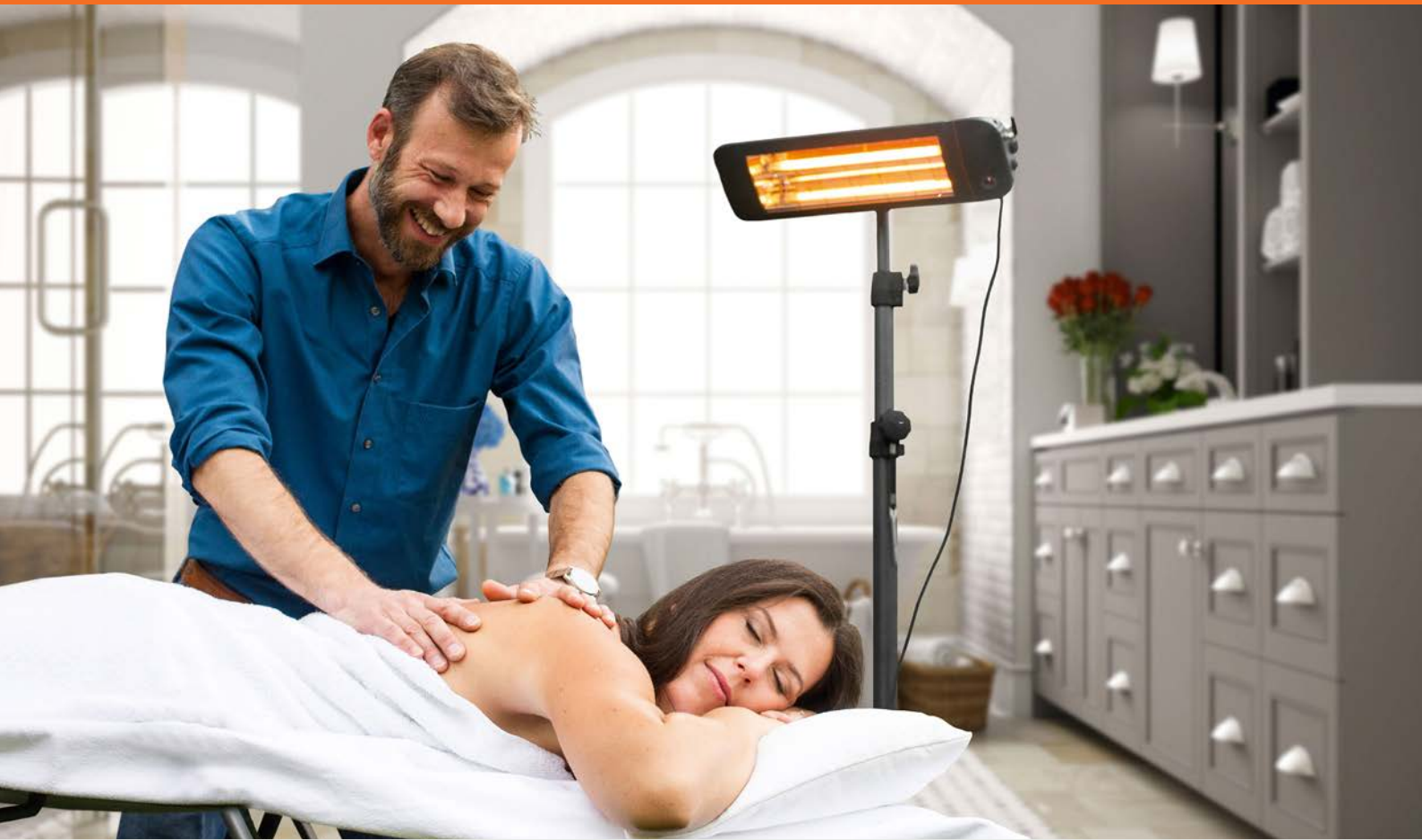
Installation



Wall mounting	Ceiling mounting	Stand	Parasol bracket
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Order number

Version	Without switch	Rocker switch	Pull switch	Without switch	Rocker switch	Pull switch
Colour	Low Glare 15			White Glare		
White	5100409	5100412	5100415	5100418	5100421	5100424
Titanium	5100410	5100413	5100416	5100419	5100422	5100425
Anthracite	5100411	5100414	5100417	5100420	5100423	5100426



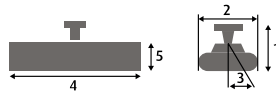


Patio heater

ComfortSun25 1400 Watts

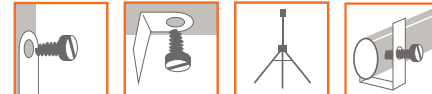
Capacity	1400 Watts	Protection class	IP 25
Heatable area	up to 12 m ²	Power connection	230 V / 50 Hz - kj/1,8 m
Weight	2,1 kg	Cable length	1,8 m

Dimensions



1 Total height	180 mm
2 Width	155 mm
3 Tilting range	35°
4 Length	480 mm
5 Height	95 mm

Installation



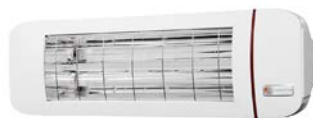
Wall mounting	Stand
Ceiling mounting	Parasol bracket

Order number

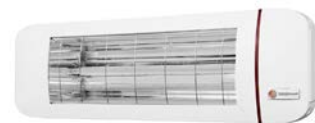
Version	Without switch	Pull switch	Rocker switch	Without switch	Pull switch	Rocker switch	Without switch	Pull switch	Rocker switch
Colour	Golden Glare			Low Glare 15			White Glare		
White	5100010	5100013	5100016	5100109	5100112	5100115	5100126	5100129	5100132
Titanium	5100011	5100014	5100017	5100110	5100113	5100116	5100127	5100130	5100133
Anthracite	5100012	5100015	5100018	5100111	5100114	5100117	5100128	5100131	5100134



Without switch



Pull switch*



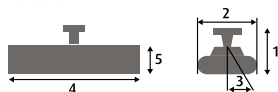
Rocker switch



ComfortSun25 2000 Watts

Capacity	2000 Watts	Protection class	IP 25
Heatable area	up to 16 m ²	Power connection	230 V / 50 Hz ~ kj/1,8 m
Weight	2,1 kg	Cable length	1,8 m

Dimensions



Installation



1 Total height	180 mm
2 Width	155 mm
3 Tilting range	35°
4 Length	480 mm
5 Height	95 mm

 Wall mounting
Ceiling mounting

 Stand
Parasol bracket

Order number

Version	Without switch	Rocker switch	Without switch	Rocker switch	Without switch	Rocker switch
Colour	Golden Glare		Low Glare 15		White Glare	
White	5100020	5100023	5100118	5100121	5100135	5100138
Titanium	5100021	5100024	5100119	5100122	5100136	5100139
Anthracite	5100022	5100025	5100120	5100123	5100137	5100140

*Only for 1400 Watts



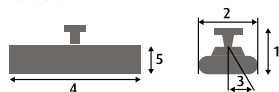


Patio heater with app-control

ComfortSun25 1400 Watts Bluetooth

Capacity	1400 Watts	Protection class	IP 25
Heatable area	up to 12 m ²	Power connection	230 V / 50 Hz - kj/1,8 m
Weight	2,5 kg	Cable length	1,8 m

Dimensions



1 Total height	300 mm
2 Width	155 mm
3 Tilting range	45°
4 Length	540 mm
5 Height	95 mm

Installation



Wall mounting	Stand
Ceiling mounting	Parasol bracket

Order number

Version	Bluetooth with app- and remote control	
Colour	Low Glare 15	White Glare
White	5100315	5100312
Titanium	5100316	5100313
Anthracite	5100317	5100314



White



Titanium



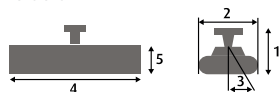
Anthracite



ComfortSun25 2000 Watts Bluetooth

Capacity	2000 Watts	Protection class	IP 25
Heatable area	up to 16 m ²	Power connection	230 V / 50 Hz ~ kj/1,8 m
Weight	2,5 kg	Cable length	1,8 m

Dimensions



1 Total height	300 mm
2 Width	155 mm
3 Tilting range	45°
4 Length	540 mm
5 Height	95 mm

Installation



Wall mounting	Stand
Ceiling mounting	Parasol bracket

Order number

Version	Bluetooth with app- and remote control		
Colour	Low Glare 15	White Glare	Dark Glare
White	5100306	5100300	5100318
Titanium	5100307	5100301	5100319
Anthracite	5100308	5100302	5100320





Bluetooth Heaters

The latest generation of infrared heaters

Three ways of comfortable control

1. Bluetooth control:

- With stepless dimming and timer
- The free ComfortSun app is available for iOS and Android
- Enables parallel management of up to 8 ComfortSun bluetooth heaters

2. Remote control:

- With 5-level dimming
- One remote enables the management of any number of bt-heaters

3. Button on the device:

- For direct switching on/ off as well as 3 step dimming

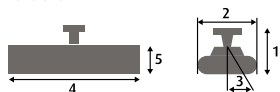
Patio heater with app-control

The perfect heater for larger areas

ComfortSun25 2800 Watts Bluetooth

Capacity	2800 Watts	Protection class	IP 25
Heatable area	uo to 19 m ²	Power connection	230 V / 50 Hz- kJ/1,8 m
Weight	3,5 kg	Cable length	1,8 m

Dimensions



Installation



1 Total height	300 mm	Wall mounting	Stand Parasol bracket
2 Width	155 mm	Ceiling mounting	
3 Tilting range	45°		
4 Length	690 mm		
5 Height	95 mm		

Order number

Version	Bluetooth with app- and remote control		
Colour	Low Glare 15	White Glare	Dark Glare
White	5100309	5100303	5100321
Titanium	5100310	5100304	5100322
Anthracite	5100311	5100305	5100323

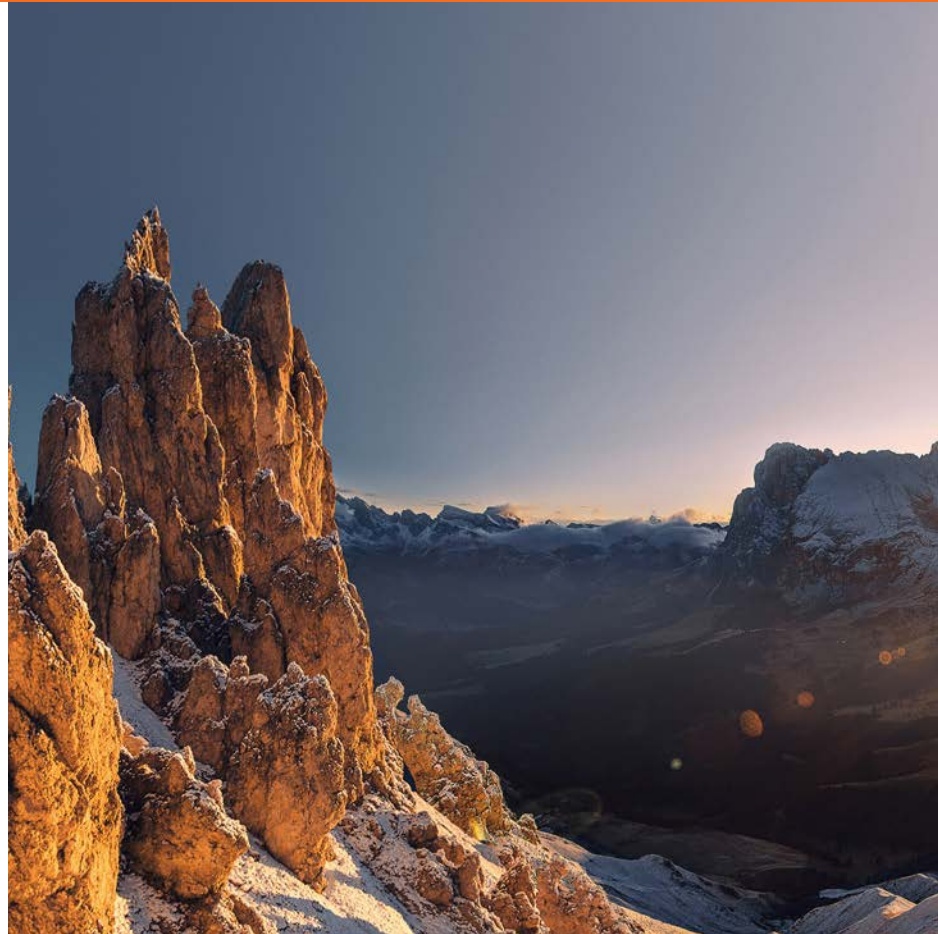


We hate bad customer service !

Infrared radiant heaters offer you great added value because they have low acquisition and operating costs combined with a space saving assembly as well as cozy instant warmth.

You want to buy a heater? We support you with our comprehensive knowledge and range of services. With our help you will choose the right infrared heater. Trust our competence and experience in the heat and light segment.

Quality, service, customer satisfaction and sustainability are an integral part of our corporate dna.





focusable



heat within seconds



independent of wind

Infrared Tower

Portable outdoor heating tower

ComfortSun65 2000 Watts Infrared Tower

Capacity	2000 Watts
Heatable area	up to 14 m ²
Weight	2,8 kg
Protection class	IP 65
Power connection	230 V / 50 Hz- kj/1,8 m
Cable length	1,8 m
Dimensions	
Height	892 mm
Width	295 mm
Depth	295 mm

Order number

Version	Bluetooth with app- and remote control
Colour	Low Glare 09
Titanium	5100214
Anthracite	5100215



L-Bracket*

With the robust and weatherproof L-bracket made of aluminum your ComfortSun infrared heater can easily be fixed on various substrates. Enjoy little assembly effort with a sufficient distance. Four optional dowel holes provide enough support.

Wall clearance: 150 mm

Order number

White	5101043
Titanium	5101042
Anthracite	5101044



T-Bracket*

With the robust and weatherproof T-holder made of aluminum your ComfortSun infrared heater can easily be mounted on different surfaces. Also the attachment to a cassette awning is possible without any problems.

Wall clearance: 80 mm

Order number

White	7300131
Titanium	7300133
Anthracite	7300130



Sun sail holder*

With the robust and weatherproof sun sail bracket your ComfortSun infrared heater can easily be mounted to the tubes of your sun sail. The robust stainless steel body ensures a secure hold with alignment capability under all weather conditions.

Depth: 39 mm

Total width: 77 mm

Height: 66 mm



Thermostat

Intelligent control of your infrared heater thanks to our thermostat. Exact timing including room temperature adjustment.

Stand



Mount your heater on the practical ComfortSun stand and it's ready for a mobile usage - anytime and anywhere.

Weight: 15 kg
 Diameter: 420 mm
 Height: 2100 mm



Bar attachment

With the robust parasol bracket 1400 and 2000 watts ComfortSun heaters can be easily attached to support tubes and rungs up to 40 mm in cross-section.

Width: 64 mm
 Height: 85 mm

Order number

White	5101026B
Titanium	5101027B
Anthracite	5101028B

Order number

White	5101029
Titanium	5101030
Anthracite	5101031



Wall and ceiling bracket long

With these brackets all ComfortSun25 models can be mounted resilient and securely to ceilings or walls. Cable routing holes ensure the perfect look.

Wall clearance: 64 mm

Order number

White	5101039
Titanium	5101040
Anthracite	5101041



Wall and ceiling bracket short

These brackets enable a safe assembly for walls or ceilings.

Wall clearance: 80 mm

Order number

White	5101032
Titanium	5101034
Anthracite	5101035



Round tube bracket

These brackets are made for the secure fastening of the ComfortSun25 heaters on round elements (e.g. tubes or rods).

Mounting distance: 205 mm

Diameter: 50 mm

Order number

Stainless steel	5101031
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Assembly and safety instructions

- Electrical installations have to be carried out by a qualified electrician.
- Heaters of protection class IPX5 are jet-water-proof and can be used indoor/ outdoor.
- The circuit used for connecting the heater must be protected with at least 16 A (slow).
- The heater has to be installed at a height of at least 1800 mm above the floor. For further installation guidelines please check the operating instructions.
- Please do not mount the heater directly under sockets, junction boxes, switches or electrical lines.
- Heaters should never operate unsupervised.

A special advantage of infrared technology is its safety.

KNOCH ■■■
IR TECHNIK



Would you like to
know more?
We SUPPORT you!

Support

You are looking for
cozy warmth?

- Would you like to extend the pleasant time in your outdoor areas?
- Would you like to save costs when heating your outside areas?
- Would you like to protect the environment without emissions?
- Would you like to enjoy sudden pinpoint heat?
- You are looking for high quality infrared heaters made in Germany?
- You are looking for excellent service?

Then infrared heaters from
ComfortSun are exactly the right
choice!