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ETHERMA EXO®

THE SPORTS CAR OF PATIO HEATERS.



Over the past 40 years plus, ETHERMA has been developing new, future-oriented and elegantly designed heating solutions at the highest level. In 2022, we will be introducing our first self-developed premium infrared heater series, the ETHERMA EXO®, an absolute highlight which will set new standards in terms of sustainability, efficiency, lifespan, performance and, above all, design.

ETHERMA EXO®: The new industrial-design premium infrared heater

The newly developed ETHERMA EXO® range of premium infrared heaters combines all of the advantages that ETHERMA has represented over the decades. The elegant, sleek industrial design **created by industrial designer Moritz Rose** (available in black or white) is reminiscent of a sports car's radiator grille and is in tune with the times. In terms of technology, these high-quality radiators incorporate all of the latest features and technologies: all EXO® heaters are of course **"Made in Austria"**, and are resistant to any kind of weather conditions thanks to **IP 65** (projected water protection), and the latest tubing technology makes them **efficient** and particularly **long-lasting**. The high-quality **diecast aluminium housing** guarantees extreme durability. And, in terms of sustainability, the EXO® PRO is **100% recyclable**. Above all, the different models in the series make them suitable for an extremely wide range of applications.

The **ETHERMA EXO® PRO** premium infrared heater sets new standards – 100% recyclable, ø 10,000 hours of operation, and its innovative premium carbon tubing with minimal light emissions in combination with maximum heat output (with 2,000 or

2,500 Watts) – all this is unparalleled on the market. Just like the **ETHERMA EXO® DARK** for indoor areas or specifically protected outdoor areas – the units also come with an optional three-setting wireless dimmer.

If you're looking for a compact solution, on the other hand, e.g. for installation on umbrellas or awnings, you should be happy with the new **ETHERMA EXO® COMFORT** comfort infrared heaters. **ETHERMA EXO® TRIPOD**, our mobile outdoor infrared radiator heater with stand and two integrated heaters, is suitable for anyone who wants to stay flexible. Both units come with a fast-heat function and a handy timer function (30/60/90 minutes). The integrated position sensor provides additional safety by switching off automatically in the event of any change in position of the heater.

Patio heaters are clearly products intended for comfort – but thanks to their high efficiency and durable tubing technology, they are far more **environmentally friendly and safe** than gas heaters, which are now by and large banned in any case. When combined with a photovoltaic system, it is no longer a guilty sin to think about comfort and make use of an infrared heater. If you think, for example, of the plastic sheeting that is often used in the restaurant industry, these must be produced (mostly in the Far East), distributed and cleaned regularly, and are simply not an option in terms of practicality and comfort.

The ETHERMA EXO® line ushers in the summer onto your patio – all year round, quickly, safely and efficiently ■

Thomas Reiter



ETHERMA HEAT RADIATION

THE MOST NATURAL AND EFFICIENT WAY OF PROVIDING HEAT.

When we think about warmth, we immediately imagine the sun rising before us. We may be outside in sub-zero temperatures in the depths of winter, but we are pleasantly warm as soon as the sun shines. Particularly so if we are, for example, sitting, leaning back against our ski cabin. But have you ever wondered why that might be? The secret is: Infrared heating. In physical terms, infrared heating is an electromagnetic wave with a frequency lower than that of red light, and which is therefore not visible, but it can clearly be felt nonetheless. This may sound quite complicated at first, but it is in fact quite easy to explain. Instead of heating the air, this thermal radiation is directly absorbed by solid objects such as walls, furniture and people. The rays are absorbed by the skin and generate a pleasant feeling instantaneously. Walls and furniture also act as storage media, and gradually release the warmth into the area. At ETHERMA, we use this highly efficient infrared technology in a unique way to heat your four walls, conservatories and patios.

WARMTH THAT DOES YOU GOOD.

Too much ultraviolet radiation can be bad to your health, but that is not the case with infrared. Quite the opposite. Statistics and research have shown that: There is no more natural or (in particular) healthier way of generating heat. Infrared radiation has been used to promote health for decades: be it red

light or treating illnesses, or infrared cabins for relaxation and regeneration. ETHERMA infrared heaters function based on this exact principle. Unlike traditional convection heaters, which only heat the air, they also do not stir up dust particles in the area, which is a decisive advantage, especially in the case of allergy sufferers. The ETHERMA LAVA® infrared heating design stirs up no dust or bacteria, and also helps to eliminate humidity and mould growth in your areas. Outdoors, short-wave infrared heaters act quickly and directly, and provide pleasant warmth even in windy conditions, unlike, for example, gas heaters.

WARMTH THAT GETS UNDER YOUR SKIN.

It is important to differentiate between short-, medium- and long-wave infrared radiation. In order to make optimal use of the technology and the different wavelengths, we at ETHERMA have developed an ingenious heating solution for each wavelength. While ETHERMA short-wave heaters are used outdoors for short-term and immediate heat generation, medium- and long-wave heaters come into their own in indoor areas ■

INGENIOUS HEAT. INGENIOUS BENEFITS.

ECONOMICAL.

This increased sensitivity to heat reduces operating costs. Infrared heaters provide pleasant warmth immediately.

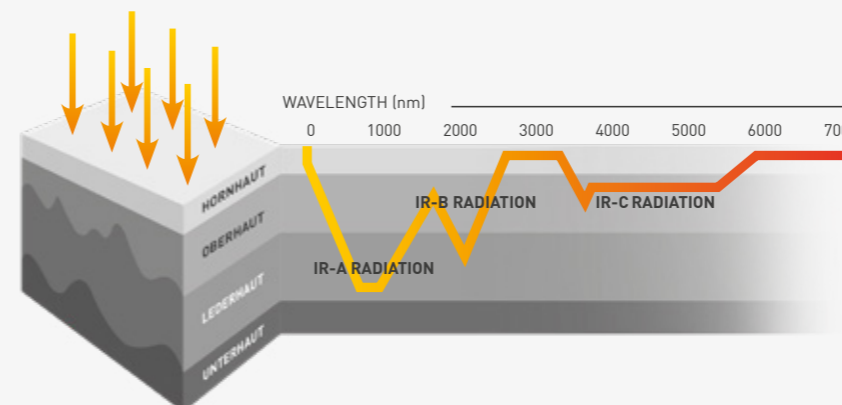
EFFICIENT.

This generates 100% loss-free heat which can be felt even when you're exposed to the wind – it warms people and objects rather than the surrounding air.

FLEXIBLE.

The right infrared heater for every application.

INFRARED HEATING HOW IT WORKS WITH US



OUTDOOR
IR-A short-wave infrared:
 EXO® range infrared heaters

INDOOR
IR-C long-wave infrared:
 LAVA® Design infrared heating

INDUSTRY & THE WORKPLACE
IR-B medium-wave infrared:
 Quartz radiator

ALLOW US TO TURN THE SUN ON FOR YOU.

EXO[®] INFRARED HEATERS FOR PATIOS & CONSERVATORIES

Imagine being able to relax on your patio, in your conservatory or on the terrace any time you wanted to, without freezing. Of course, we at ETHERMA cannot promise limitless hours of sunshine. We can however guarantee heat at the press of a button with our EXO[®] infrared heaters. It's almost as if we could turn on the sun for you. You will feel a comfortable sensation of warmth on your skin as soon as you switch on. This is because short-wave infrared radiation cuts through the air extremely rapidly. EXO[®] radiant heaters offer user flexibility: whether as heating for your conservatory or professional heat support in outdoor restaurant areas, or as a source of warmth for events, or as reliable heating in churches and conference areas – EXO[®] offers a wide range of products for both indoor and outdoor use. And, thanks to their forward-looking industrial design, they are also a pleasure to look at.

OUR DEVICES DO WHAT WE PROMISE.

Using infrared radiation to generate heat is one thing. Our aim, however, is to combine the entire thing with a sophisticated design and well thought-out functionality, in the creation of an effective, durable unit. Our heaters are developed and manufactured in Austria. High-quality materials and careful processing ensure the device's extended lifespan and innovative heating tubing guarantees up to 10,000 hours of consistent performance. So it is worth focussing not only on the purchase cost, but also (in particular) on performance and quality.

KEEPING THE AIR FRESH.

EXO[®] infrared heaters do not heat the air. They heat people and objects, directly, and do so instantaneously once they are switched on. A full 92% of the electricity consumed is converted into warmth. Compare it with this: Gas heaters use only 40% of the warmth that they generate. In addition, the air stays fresh: Our infrared devices produce neither direct CO₂ emissions nor dust movement.

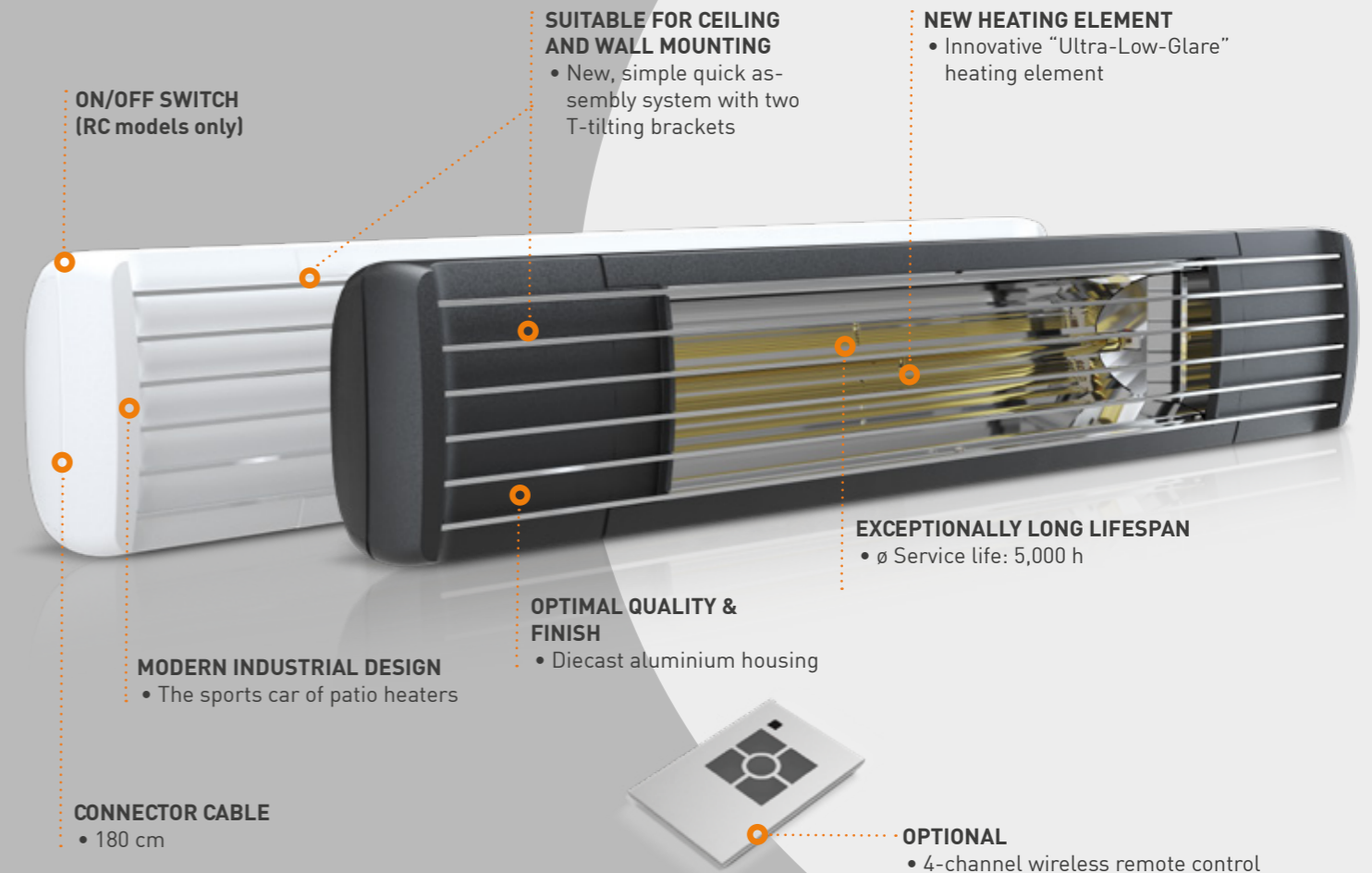
SO YOU DON'T SEE RED.

Our premium infrared heaters convert the energy that they use into maximum heat and at the same time reduce light emissions by up to 99%. After all, it's all about feeling the warmth, not seeing it.

THE OPTIMAL SOLUTION. WITH SAFETY.

It goes without saying that all of our units also offer the necessary safety. Thanks to IP 65, our heaters are protected on all sides from dust and projected water, making them extremely durable and resistant to weather conditions. The high-quality diecast aluminium process perfectly illustrates our quality requirements. Position sensors ensure safety, while the fast-heat function, timer function and the RC option ensure that every desire for comfort is taken into consideration ■

ETHERMA EXO[®] DARK HEAT WITHOUT LIGHT



ETHERMA EXO[®] DARK

Premium dark emitter with & without integrated control

The new ETHERMA EXO[®] DARK premium dark emitter is the optimal solution for wind-protected outdoor areas. It is also suitable for additional heating for conservatories or pavilions. The ultra-low-glare infrared tube is a surefire winner with its pleasant infrared warmth and minimal residual light of only 1 lux/kW/m². The RC version of this radiant heater can be easily dimmed in three settings (33/66/100% of maximum output) using the optional remote control. The device is made from high-quality, corrosion-proof aluminium, has a striking industrial design and is protected from projected water thanks to its IP 65 protection class. The infrared heaters come with a five year guarantee ■





INGENIOUS HEAT. INGENIOUS BENEFITS.

- Longer guest lingering times
- Higher turnover
- Space-saving
- No safety issues
- No blankets to distribute or wash – saving you staff, time and money

THIS IS HOW YOU KEEP YOUR GUESTS WARM.

INFRARED HEATERS FOR RESTAURANTS & THE HOTEL INDUSTRY

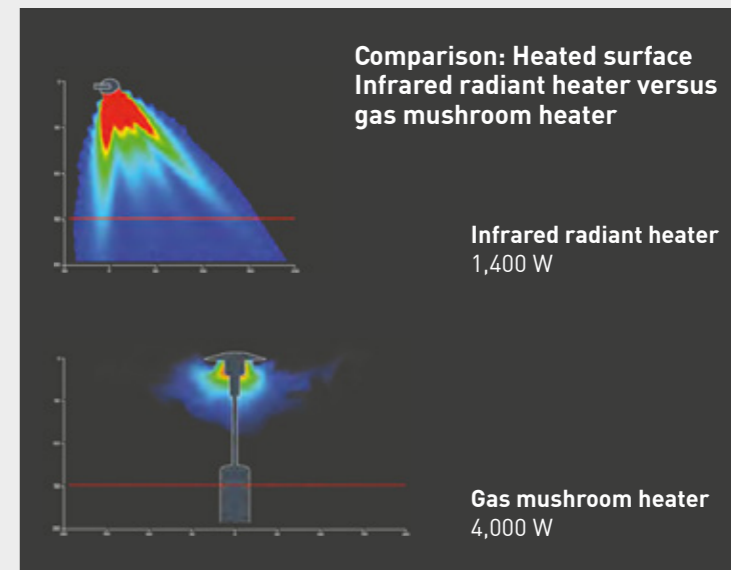
In the restaurant industry, the calculation is quite simple – satisfied guests who feel comfortable stay longer and generate more turnover.

At European latitudes in particular, relaxed summer evenings make a difference to the bottom line. In winter, restaurant patio heaters have already become indispensable.

It's quite clear – patio heaters are products intended for comfort. But electric infrared heaters are unrivalled. Particularly when compared to inefficient gas mushroom heaters or plastic awnings.

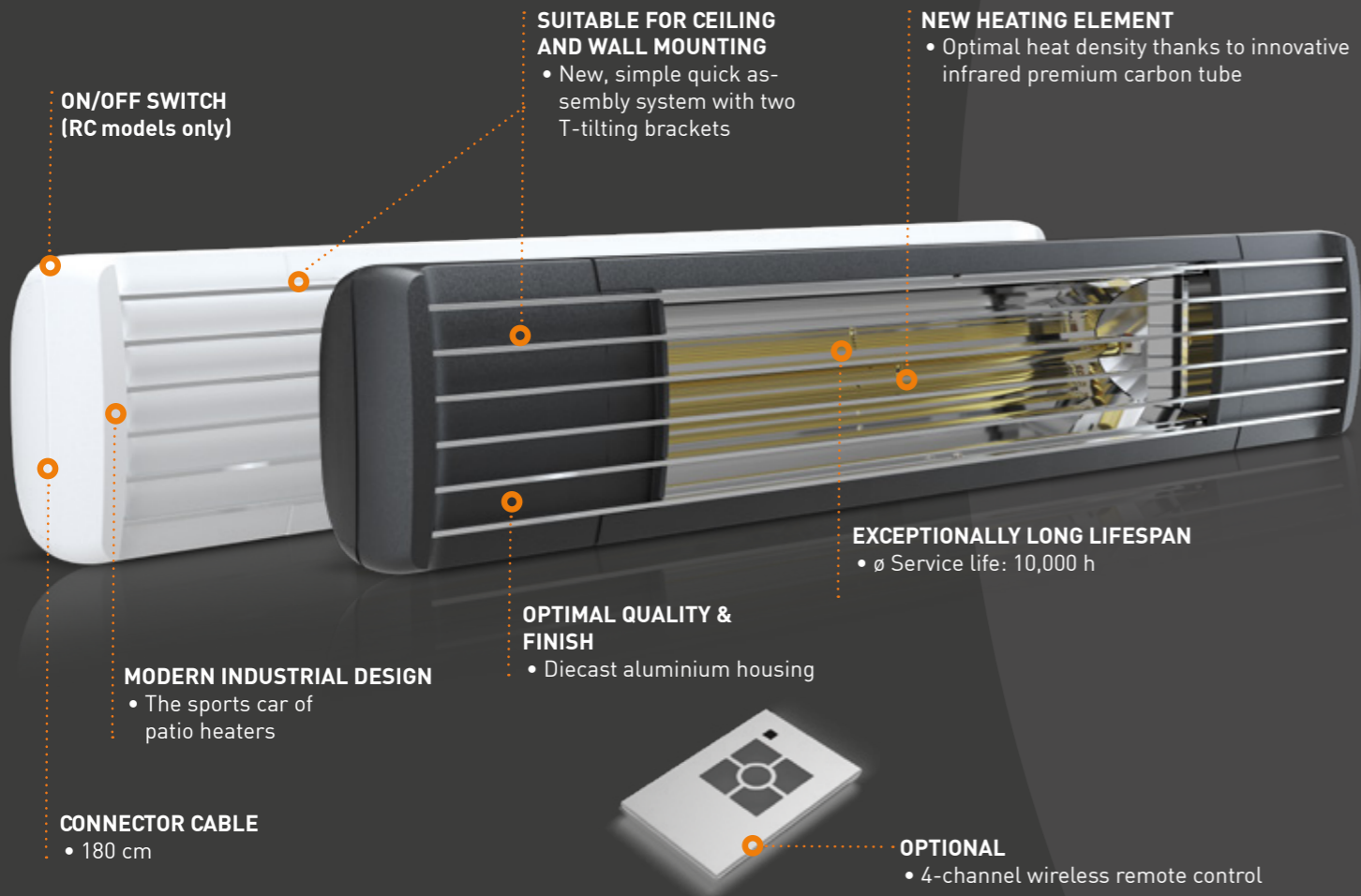
A performance comparison clearly shows the efficient and environmentally friendly way in which infrared heaters work. They offer a significantly larger heated surface compared to traditional gas heaters and gas mushroom heaters. In addition, infrared radiation does not heat the air, as gas mushroom heaters do, but works using waves of warmth which apply their power as soon as they hit solid matter such as skin. This means that a heater's thermal radiation is not blown away with the wind; it can still be felt on your skin.

In outdoor areas, ETHERMA EXO® patio heaters also guarantee maximum safety, as there are no open flames. And you can also do away with lugging heavy gas bottles around. In addition, thanks to their wall or ceiling mounting, our infrared heaters take up hardly any space – a decisive advantage, particularly in smaller patio areas ■



ETHERMA EXO® PRO

IN A CLASS OF ITS OWN



ON/OFF SWITCH (RC models only)

SUITABLE FOR CEILING AND WALL MOUNTING
 • New, simple quick assembly system with two T-tilting brackets

NEW HEATING ELEMENT
 • Optimal heat density thanks to innovative infrared premium carbon tube

EXCEPTIONALLY LONG LIFESPAN
 • ø Service life: 10,000 h

OPTIMAL QUALITY & FINISH
 • Diecast aluminium housing

MODERN INDUSTRIAL DESIGN
 • The sports car of patio heaters

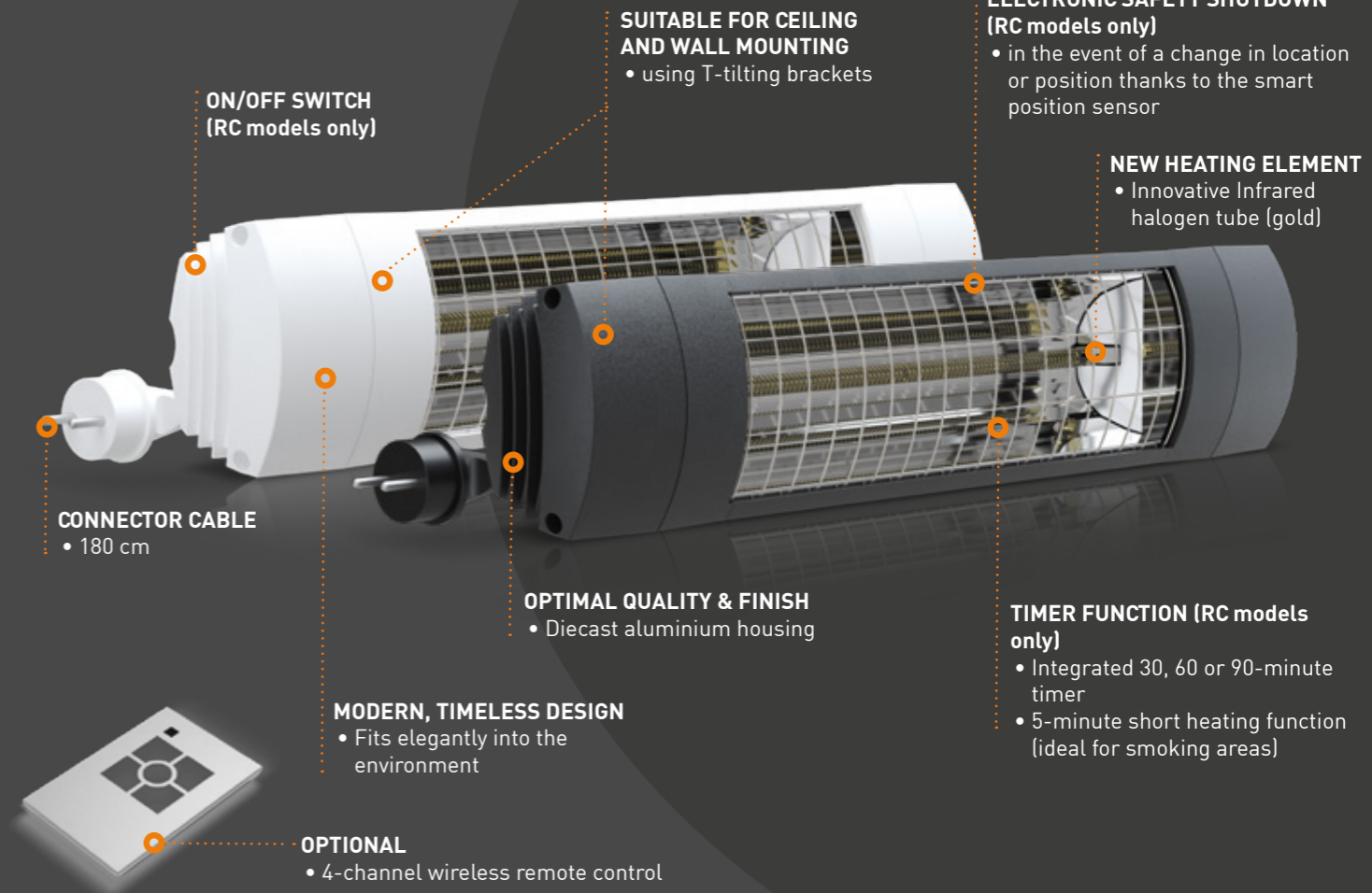
CONNECTOR CABLE
 • 180 cm



OPTIONAL
 • 4-channel wireless remote control

ETHERMA EXO® COMFORT

COMFORTABLE IN EVERY DETAIL



ON/OFF SWITCH (RC models only)

SUITABLE FOR CEILING AND WALL MOUNTING
 • using T-tilting brackets

ELECTRONIC SAFETY SHUTDOWN (RC models only)
 • in the event of a change in location or position thanks to the smart position sensor

NEW HEATING ELEMENT
 • Innovative Infrared halogen tube (gold)

CONNECTOR CABLE
 • 180 cm

OPTIMAL QUALITY & FINISH
 • Diecast aluminium housing

MODERN, TIMELESS DESIGN
 • Fits elegantly into the environment

TIMER FUNCTION (RC models only)
 • Integrated 30, 60 or 90-minute timer
 • 5-minute short heating function (ideal for smoking areas)



OPTIONAL
 • 4-channel wireless remote control

ETHERMA EXO® PRO

Premium infrared heater with & without integrated control

The new ETHERMA EXO® PRO premium infrared heater has been specially developed for use in outdoor areas such as patios, terraces, restaurants or ski cabins. Because of its wavelength, its highly efficient, short-wave infrared heat radiation penetrates the air particularly efficiently, generating a noticeable feeling of warmth very rapidly, and thus guaranteeing extensive operating cost savings compared to gas heaters or mushroom heaters. Infrared radiant heaters can be used particularly flexibly in outdoor areas, and are surefire winners thanks to their lack of maintenance requirement. The ETHERMA EXO® PRO is also available with an integrated wireless dimmer option, so that your heat radiators can be easily controlled via remote control and dimmed in three settings (33/66/100%). The unit is made from high-quality, corrosion-resistant aluminium and is projected water-proof thanks to its IP 65 protection class, making it suitable for year-round use in outdoor areas. The innovative carbon heating tubing reliably generates maximum heat output with only minimal residual light, and has an above-average service life of 10,000 hours. It is surrounded by the reflector, ensuring that the heat is emitted forward in a targeted manner ■



ETHERMA EXO® COMFORT

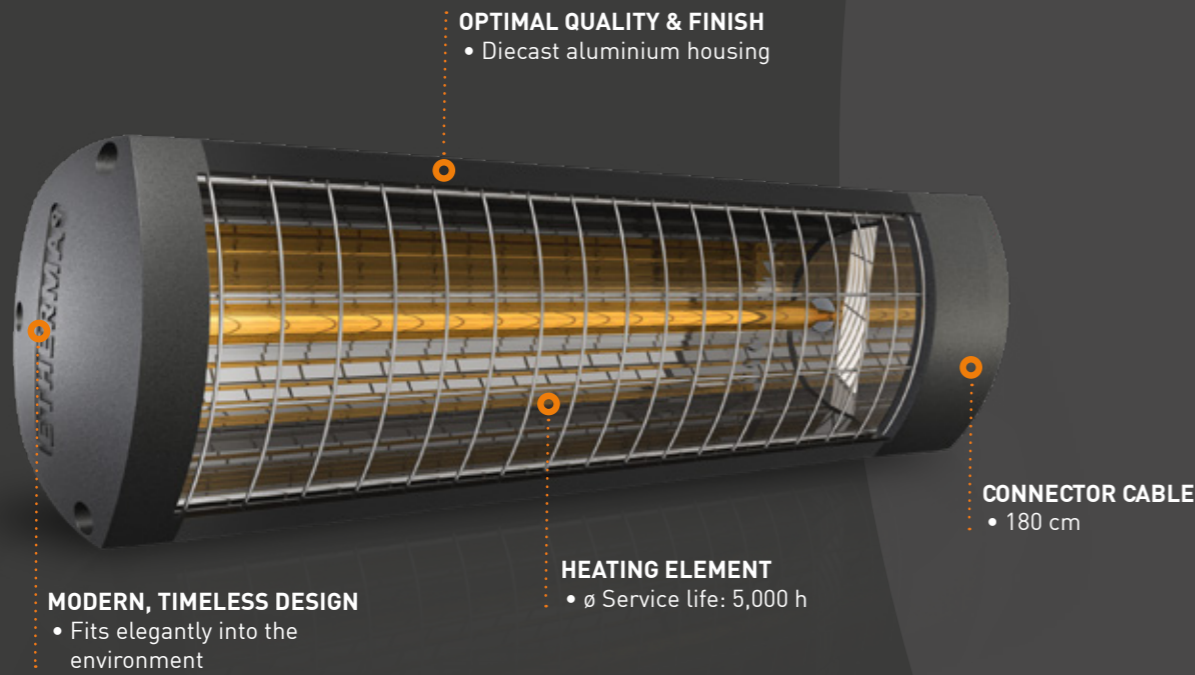
Comfort infrared heater with & without integrated control

The ETHERMA EXO® COMFORT offers perfect value for money and optimal comfort. Thanks to its versatility, it can be used in countless individual applications in private and commercial outdoor areas. The gold-coated infrared halogen tube combined with the new, optimised reflector offers highly effective forward heat concentration. The high-quality aluminium body ensures that the heater not only has a modern design, but also an extended service life. The unit is installed using a T-tilting bracket, to ensure targeted use of heat radiation. On the RC model, the unit is operated using a multi-function electronic switch on the rear of the device, which has an integrated timer as well as a short heating function. Alternatively, it can also be controlled by means of a remote control (optional). Its compact construction, low weight and integrated safety shutdown makes the RC model optimally suited for installation on restaurant umbrellas and awnings ■



ETHERMA EXO® BASIC

AN INTRODUCTION TO THE WORLD OF INFRARED RADIANT HEATERS



OPTIMAL QUALITY & FINISH
• Diecast aluminium housing

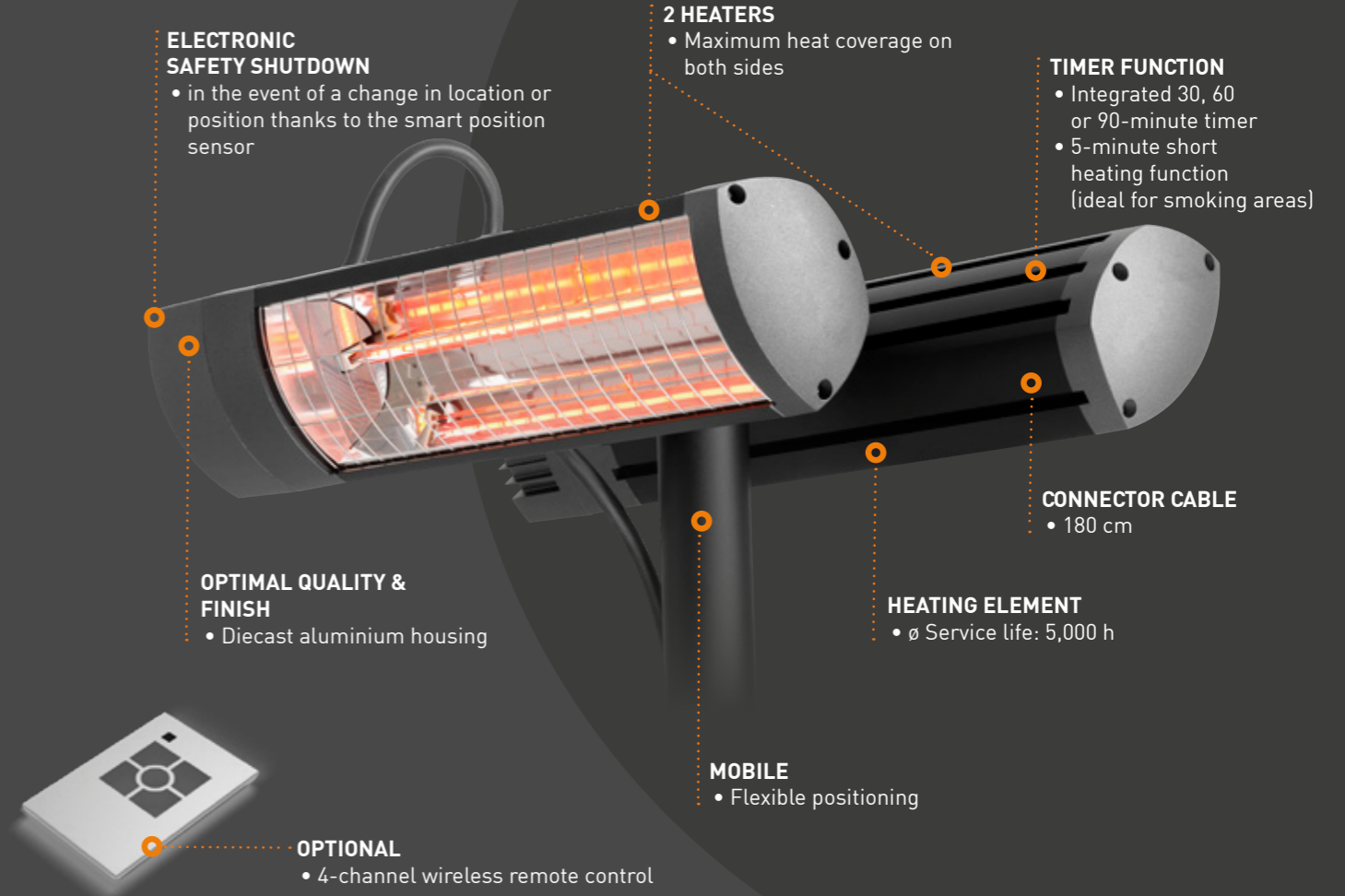
CONNECTOR CABLE
• 180 cm

HEATING ELEMENT
• ø Service life: 5,000 h

MODERN, TIMELESS DESIGN
• Fits elegantly into the environment

ETHERMA EXO® TRIPOD

THE OUTDOOR HEATER WITH TRIPOD



ELECTRONIC SAFETY SHUTDOWN
• in the event of a change in location or position thanks to the smart position sensor

2 HEATERS
• Maximum heat coverage on both sides

TIMER FUNCTION
• Integrated 30, 60 or 90-minute timer
• 5-minute short heating function (ideal for smoking areas)

CONNECTOR CABLE
• 180 cm

HEATING ELEMENT
• ø Service life: 5,000 h

OPTIMAL QUALITY & FINISH
• Diecast aluminium housing

MOBILE
• Flexible positioning

OPTIONAL
• 4-channel wireless remote control

ETHERMA EXO® BASIC

Outdoor infrared heater

The ETHERMA EXO® BASIC is the affordable entry version for individual applications in outdoor areas. The device comes with a low-glare infrared halogen lamp, ensuring that, for all the high output, the red light fraction is minimised. The high-quality aluminium housing not only gives the heater a modern design, but also an extended lifespan. ■



ETHERMA EXO® TRIPOD

Outdoor-infrared heater with stand

The ETHERMA EXO® TRIPOD is stand-mounted infrared heater for outdoor areas in any location. It consists of a single stand with a round concrete mounting base and two radiant heaters. Both heaters can be operated via a multifunction electronic switch on one of the units. Alternatively, it can also be controlled by means of a remote control (optional). The heaters are each fitted with a 1400 W infrared halogen tube. The connector cable passes through the inside of the tripod tube. The high-quality aluminium radiator housing not only gives the heater a modern design, but also an extended service life. ■

ETHERMA NOTE:

During use in covered outdoor areas, a safety distance of at least 30 cm from the ceiling must be maintained.





ETHERMA EXO®

EVERYTHING AT A GLANCE.

	EXO® DARK	EXO® PRO	EXO® COMFORT	EXO® BASIC	EXO® TRIPOD
Dimensions in mm (w x h x d)	930 x 155 x 111	830 x 155 x 111 (2,000 W) 930 x 155 x 111 (2,500 W)	540 x 110 x 76	423 x 110 x 76	426 x 2100 x 310
Unit depth, including bracket	250 mm	250 mm	164 mm	164 mm	-
Output	2,000 W	2000/2500 W	1400/1800 W	1800 W	2 x 1,400 W
Protection class	IP 65	IP 65	IP 65	IP 65	IP 44
Switch	-	-	RC model only	-	✓
Timer	-	-	RC model only	-	✓
3-step dimmer	RC model only	RC model only	-	-	-
Tube technology	Ultra-low-glare infrared tube	Premium carbon tube	Infrared halogen tube - Gold	Infrared halogen tube	Infrared halogen tube - Gold
Heatable surface*	14 m ²	16/18 m ²	10/12 m ²	12 m ²	20 m ²
∅ Heating tube lifespan	5,000 h	10,000 h	5,000 h	5,000 h	5,000 h
Number of T-tilting brackets	2	2	1	1	2

*At an ambient temperature of 15°C, ceiling-mounted at a height of 2.2 m (up to 2,000 W) to 2.5 m (2,500 W), vertical radiation, hardly any wind

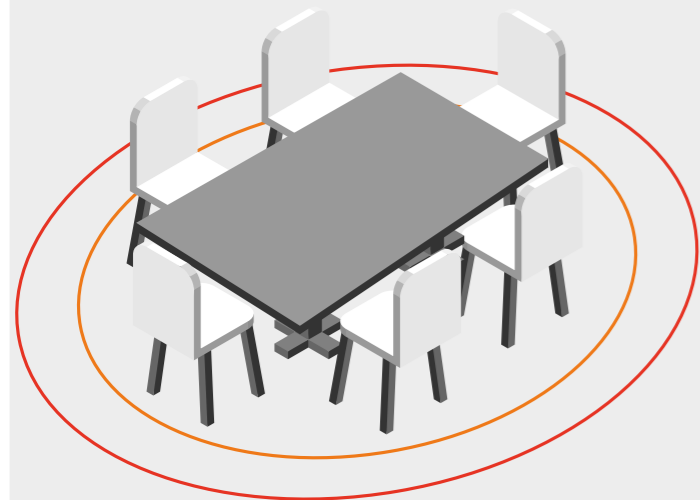


ETHERMA EXO®

HEATING SURFACE

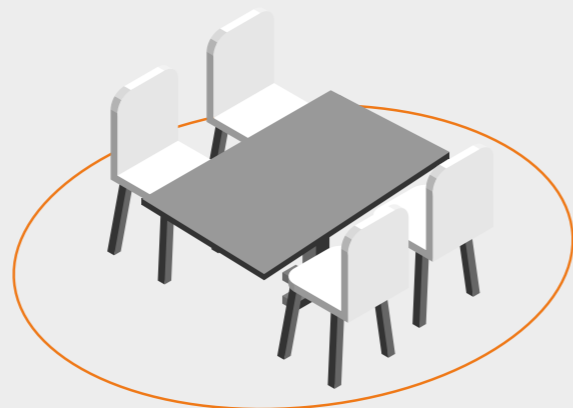
EXO® PRO

Heatable surface:
up to 16 m² at 2,000 W
up to 18 m² at 2,500 W



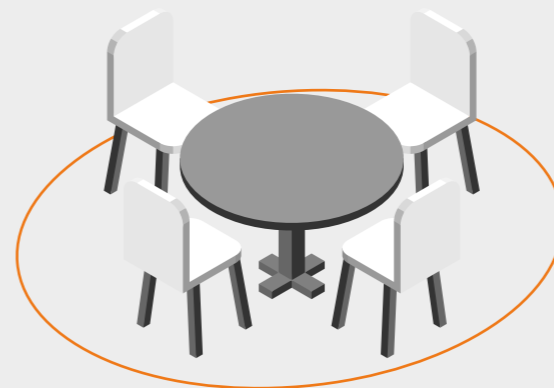
EXO® BASIC & EXO® COMFORT 1,800 W

Heatable surface: Up to 12 m²



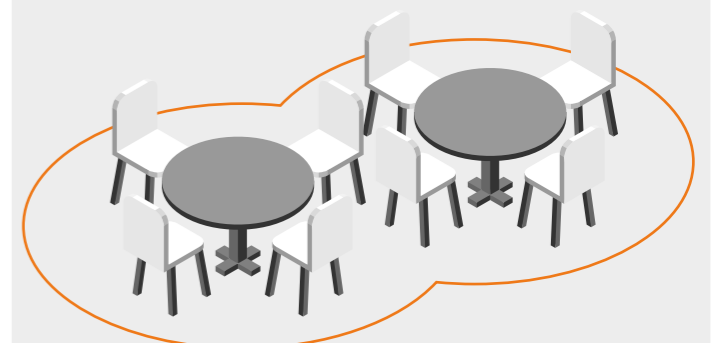
EXO® COMFORT 1,400 W

Heatable surface: Up to 10 m²



EXO® TRIPOD

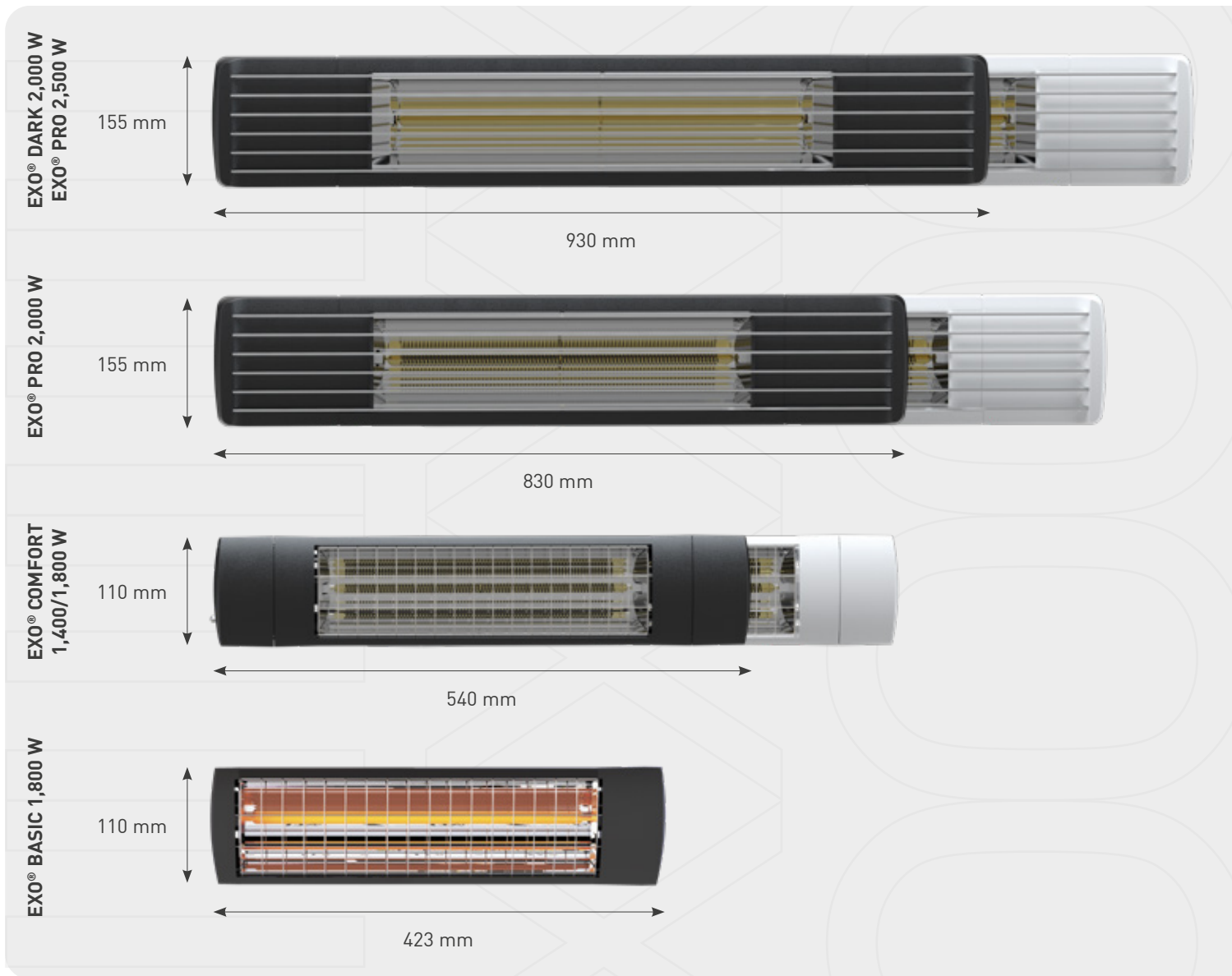
Heatable surface: up to 20 m²





ETHERMA EXO[®]

PROPORTIONS



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