

# SHADOW Industrial Infrared

01279 466500

www.shadowindustrial.co.uk

# A MESSAGE FROM OUR CEO

Welcome to Shadow Industrial Infrared Heating – where innovation meets practicality, and energy efficiency is our mission's cornerstone.

In industrial settings and small businesses alike, our infrared heaters exemplify adaptability and performance. Crafted by seasoned engineers, our units are designed not just to heat spaces, but to revolutionise your approach to energy consumption.



Traditional heating systems burden businesses with exorbitant bills and inefficiencies. But with Shadow Industrial Infrared Heating, you're stepping into the future of cost-effectiveness and sustainability. From large industrial complexes to small-scale enterprises, our heaters offer unparalleled warmth that's both instantaneous and draft-resistant.

Our heaters are engineered for seamless installation, allowing you to deliver swift, reliable solutions.

I invite you to join me in reshaping the landscape of industrial heating. Together, let's create a future where efficiency and adaptability are the standards.

Warm regards, **Stephen Levy**Founder & CEO

Shadow Industrial Infrared Heating

Discover the versatility of Shadow Industrial heaters today. Contact us for a complimentary site evaluation or to submit images and drawings for a personalised quote:

Call: 01279 466 500

Email: info@shadowindustrial.co.uk

Elevate your space with Shadow Industrial - where every innovation serves your success.

Contact Us

## **Vision and Mission** 04 Key Product Benefits Applications Why Choose Shadow Industrial **Industrial Range** 09 3kW and 4kW 4.5kW and 6kW 9kW and 12kW 13.5kW and 18kW **Infinity Range** 23 4.5kW and 6kW 9kW and 12kW 13.5kW and 18kW **Controllers** 30 3-Zone Controllers Remote Variable Controllers Master Controllers Switches and Zoning 35 **Get a Quote**

#### **KEY PRODUCT BENEFITS**

At Shadow Industrial, we're at the forefront of innovation in the heating revolution. Our extensive line up of infrared heating solutions features **cutting-edge Ultra Low Glare technology**, meticulously crafted for vast spaces. In contrast to conventional convection heaters, our state-of-the-art infrared heating systems offer instant, **targeted warmth** precisely where and when it's needed. Gone are the days of needlessly heating an entire workspace when only a fraction of it is occupied. Shadow Industrial's infrared heating systems deliver carbon-efficient, **easily controllable** heating with substantial energy savings.

Shadow Industrial Heating Solutions provide **carbon efficient**, controllable, heating with massive energy savings.

Coverage from 50m² to 5,000m² is perfect for all open spaces from small workshops to the largest factory and warehouse complexes.

Shadow Industrial infrared heaters with Ultra Low Glare technology are great for large spaces. They can be used individually, combined into arrays of up to 18kW or, used as heating modules to build solutions capable of heating the large industrials sites. The sizes of installation and variability is **truly limitless**.

With the development of advanced control systems that are either wired of operate by radio, maximum energy efficiency is achieved, usually resulting in heating **energy reductions of 60-90%**\*.

Infrared heat is ideal for settings such as factories, warehouses, and workshops as the heat works the same way as the sun, the heat won't escape through windows or open doors so you get an incredibly efficient heating system.

By only heating the exact areas you need you won't be wasting any heat on areas where there are no people. If you need to heat multiple areas, we can zone each heater where can turn up or down each heater, allowing for greater flexibility and control. If someone leaves an area you can turn off that heater, saving you much more energy and money.

\* Maximum savings when measured against gas.







#### **ULTRA LOW GLARE**



Industry leading ultra-low glare infrared lamps - 382

#### WARRANTY



2 year warranty direct from the manufacturer

#### **ENERGY EFFICIENT**



Saving companies over 90% of their energy consumption

### **KEY PRODUCT BENEFITS**

Short-wave infrared (SWIR) heating technology harnesses the electromagnetic spectrum's shorter wavelengths, to efficiently and precisely generate heat.

SWIR heating elements are made using quartz tubes, they emit intense infrared radiant heat when an electric current passes through them.

Unlike traditional heating methods, SWIR heating directly transfers energy to the target material without heating the surrounding air, resulting in rapid and uniform heating. In a similar way to the sun, shortwave infrared heat doesn't warm the air, it just warms up people, objects and surfaces in its path.

With our infrared heating solutions, you won't lose any heat through an open window or door as infrared doesn't warm the air so there isn't any hot air that rises.

Infrared is incredibly efficient as you can't waste any heat by it blowing away, wind or drafts make no difference to the heating system.

This focused energy delivery minimises heat loss and enables precise temperature control, making SWIR heating ideal for industrial processes such as drying, curing, and melting in various manufacturing applications.



LIMITLESS VARIABILITY



Limitless installation configurations for your space

SHORT WAVE INFRARED HEATING



Heat penetrates and heats people and objects deeply

**TARGETED HEAT** 



Transfers energy to the target material without heat loss

#### **APPLICATIONS**

All Shadow heaters incorporate the latest Ultra Low Glare infrared lamp technology giving maximum energy to heat output, whilst emitting less than 3 lumens of visible light. Shadow produce a full range of industrial heaters from 3kW all the way up to 18kW in size. Heaters can be wall mounted or suspended and then used to create complete heat coverage of large spaces with the unique ability to heat zones or smaller areas within them. Controllability creates efficiency.

Shadow Industrial Infrared heaters work amazingly in all types of high-ceiling and open space environments, providing many benefits that set them apart from other heating systems.



#### **WORKSHOPS AND GARAGES**

Instead of fighting a losing battle trying to raise the ambient temperature of a huge room, you can direct your heat to the exact places in the workshop where it's needed.



#### **FACTORIES AND WAREHOUSES**

Our systems enable you to split your warehouse into zones - anything from 2 to 50 of them. You have a team working in the packing area warm without heating the rest of the warehouse.



## PLACES OF WORSHIP AND HISTORICAL BUILDINGS

You can install our heaters into a space that seems impossible to heat - like places of worship, listed buildings, caves and protected monuments where wall or ceiling heaters would cause too much damage.



#### **AIRCRAFT HANGARS**

By creating individual 'zones' around your hangar, we can heat service spaces, waiting areas, loading bays and other parts of the hangar as needed.



#### **FOOD PRODUCTION**

Food production facilities are famously chilly - but they don't have to be. The answer is infrared heat, which warms whatever the light in the heaters touches (such as people) instead of the air.



#### **RETAIL SHOWROOMS**

A large retail space can be as big as a football pitch, with high ceilings, too - meaning your current heating system might be trying to heat up the whole space resulting in sky high bills.



#### **SCHOOLS AND SPORTS CENTRES**

On any given day, sports centres have widely varying heating requirements, often needing individual temperature control across multiple different areas of activity.

## Why Choose a Shadow Industrial Infrared Heating System:

Gone are the days of needlessly heating an entire workspace when only a fraction of it is occupied. Shadow Industrial's infrared heating systems deliver carbon-efficient, easily controllable heating with substantial energy savings.

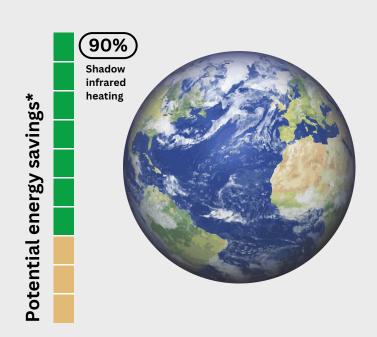


## We'll help you make your workspace greener.

Switching to our ultra-modern, highly-controllable infrared heating systems can save the average organisation up to 90% of the energy they use.

That's great news for your bottom line, and even greater news for the planet!

\*Potential energy savings against equivalent gas based systems



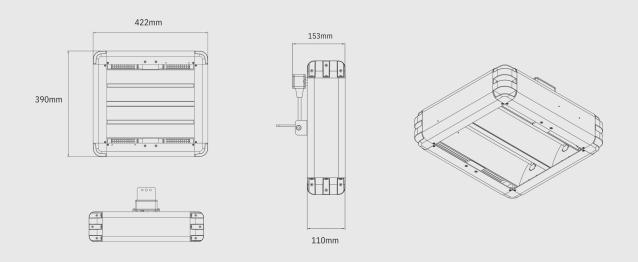


## SHADOW INDUSTRIAL

Shadow Industrial Infrared Heaters are suitable for all commercial spaces, working exceptionally well in both indoor and outdoor spaces. Whether it's heating a large production hall or open-air warehouse, infrared heating solutions provide effective warmth in different environments, no matter the surrounding conditions.



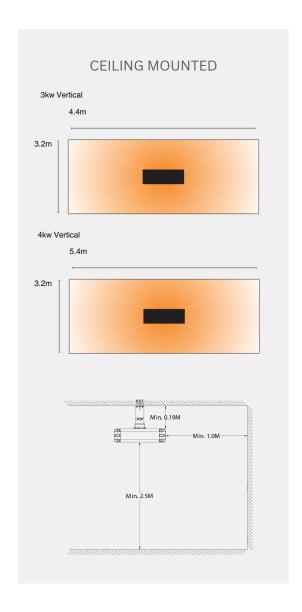
#### 3KW AND 4KW VERTICAL

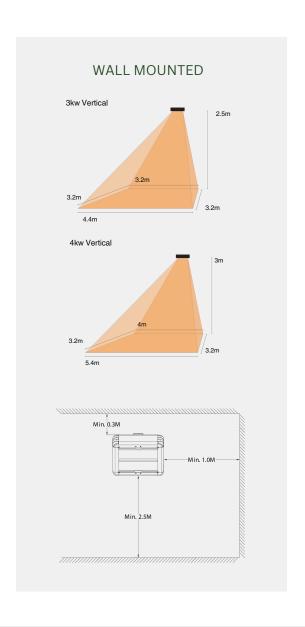


## 3KW AND 4KW VERTICAL INDUSTRIAL INFRARED HEATERS









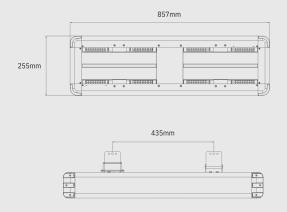
	Dimension (W) mm	Dimension (H) mm	Dimension (L) mm	Coverage (M sq.)	Phase Supply	Lamps x Power (kW)	Total Power (kW)	Voltage (V)	Current per phase (A)	Min. height from floor (cm)	Min. distance from ceiling (cm)	Min. distance from side wall (cm)	Weight without guard (kg)	Lamp Length (mm)
)	390	153	422	17.28	Single Phase	2 x 1.5	3	220 - 240	13	250	50	100	6.1	382
)	390	153	422	14.08	Single Phase	2 x 2	4	220 - 240	17	250	50	100	6.1	382

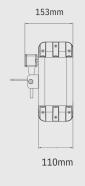


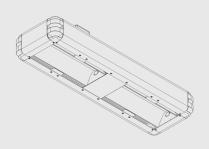




#### 3KW AND 4KW HORIZONTAL



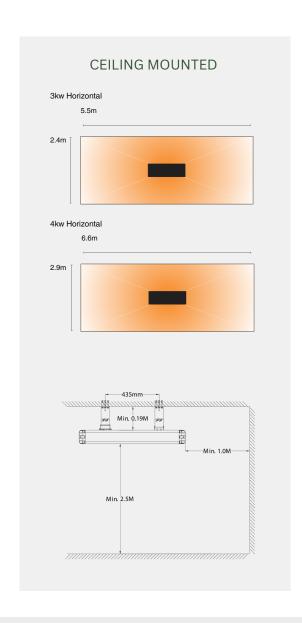


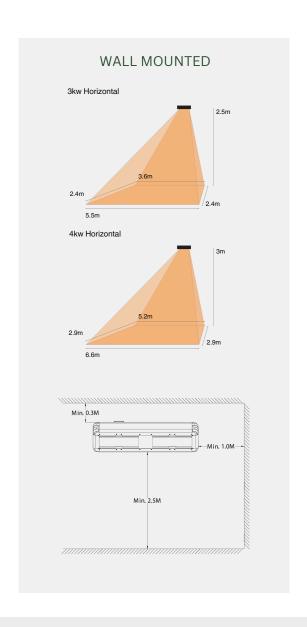


## 3KW AND 4KW HORIZONTAL INDUSTRIAL INFRARED HEATERS









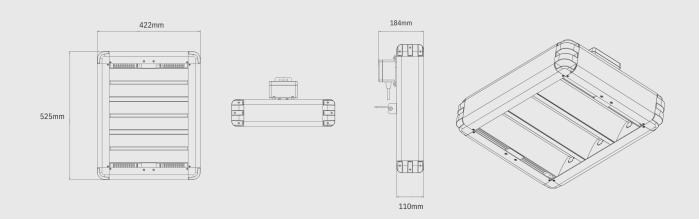
	Dimension (W) mm	Dimension (H) mm	Dimension (L) mm	Coverage (M sq.)	Phase Supply	Lamps x Power (kW)	Total Power (kW)	Voltage (V)	Current per phase (A)	Min. height from floor (cm)	Min. distance from ceiling (cm)	Min. distance from side wall (cm)	Weight without guard (kg)	Lamp Length (mm)
)	255	153	857	13.2	Single Phase	2 x 1.5	3	220 - 240	13	250	50	100	6.1	382
)	255	153	857	19.14	Single Phase	2 x 2	4	220 - 240	17	250	50	100	6.1	382







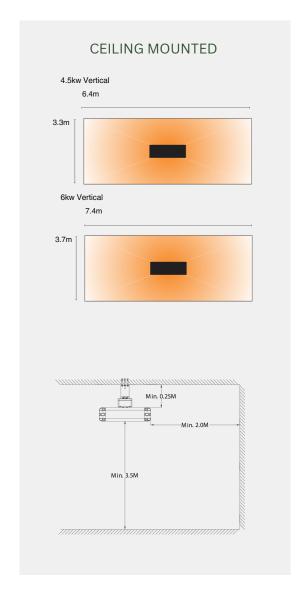
#### 4.5KW AND 6KW VERTICAL

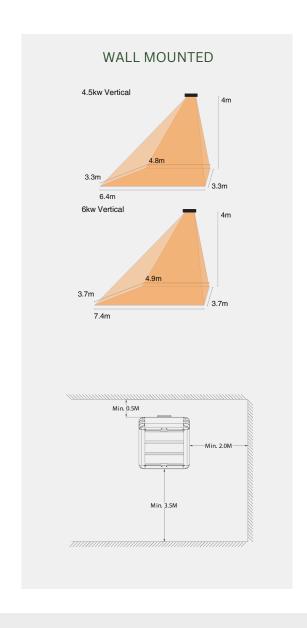


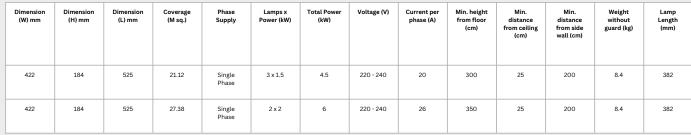
## 4.5KW AND 6KW VERTICAL INDUSTRIAL INFRARED HEATERS











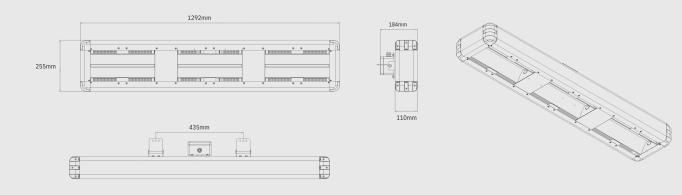






SHADOW
4.5KW AND
6KW
HORIZONTAL
INDUSTRIAL
INFRARED
HEATERS

### 4.5KW AND 6KW HORIZONTAL

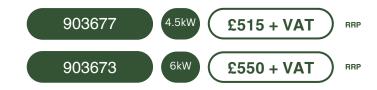


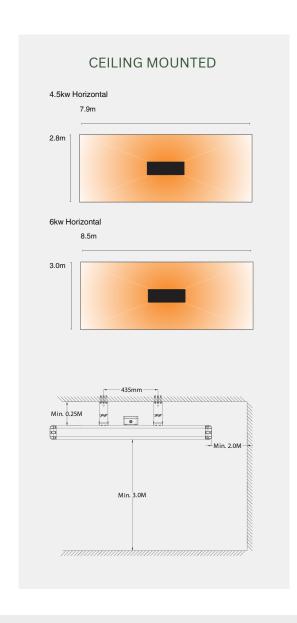
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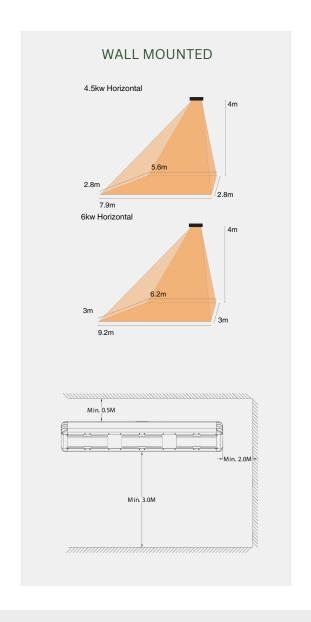
LAMPS

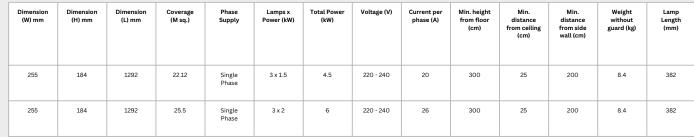
# 4.5KW AND 6KW HORIZONTAL INDUSTRIAL INFRARED HEATERS









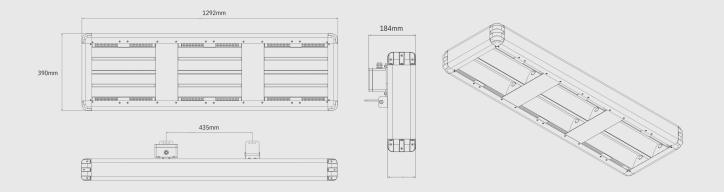








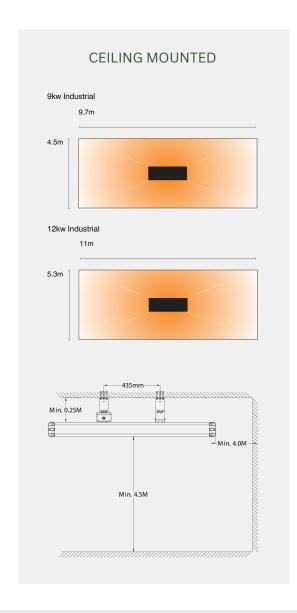
#### 9KW AND 12KW INDUSTRIAL

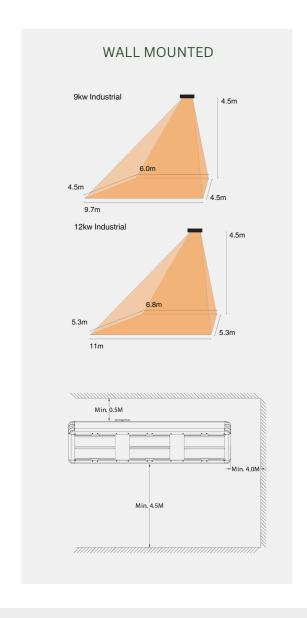


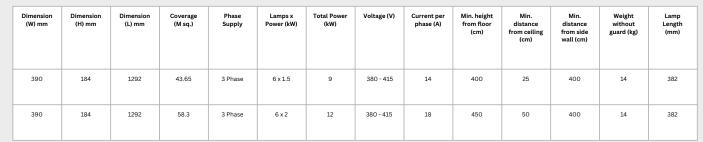
# 9KW AND 12KW INDUSTRIAL INFRARED HEATERS









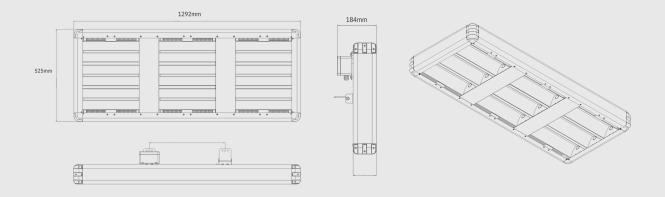








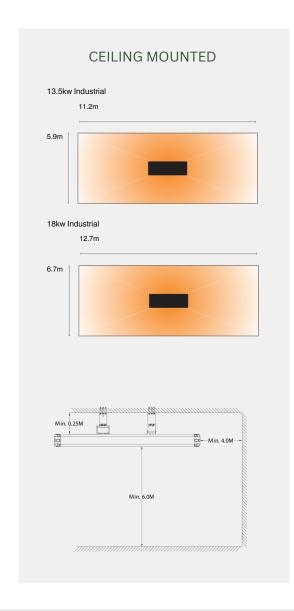
## 13.5KW AND 18KW INDUSTRIAL

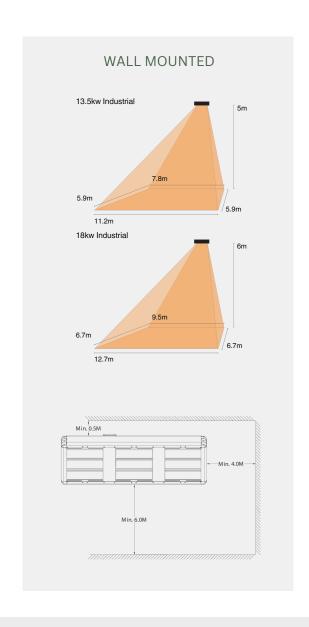


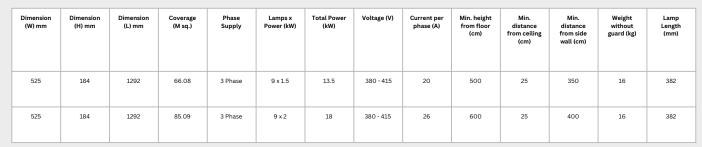
# 13.5KW AND 18KW INDUSTRIAL INFRARED HEATERS















## **SHADOW INDUSTRIAL HEATER SOLUTION PACKS**



SHADOW 3 ZONE 18KW INDUSTRIAL INFRARED HEATER SOLUTION





SHADOW 18KW INDUSTRIAL INFRARED HEATER WITH VARIABLE CONTROL SYSTEM





SHADOW 6KW INDUSTRIAL HEATER - TRANSMITTER AND RECEIVER





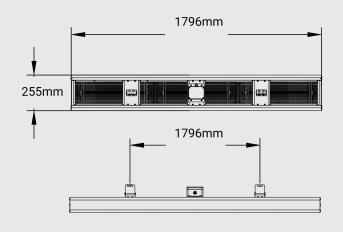
## SHADOW INFINITY

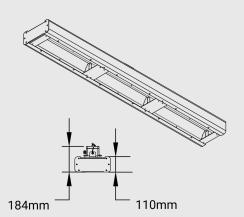
Designed for high performance, flexibility, and functionality in larger buildings, they are a powerful modular heating solution. Pods range from 4.5kW to 18kW and, with innovative state-of-the-art controls, are the building blocks of amazingly versatile and limitless total heating solutions.



## **INFINTIY 4.5KW AND INFINITY INFRARED**

### 4.5KW AND 6KW INFINITY

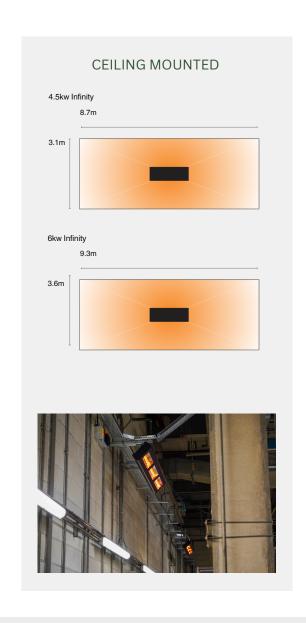


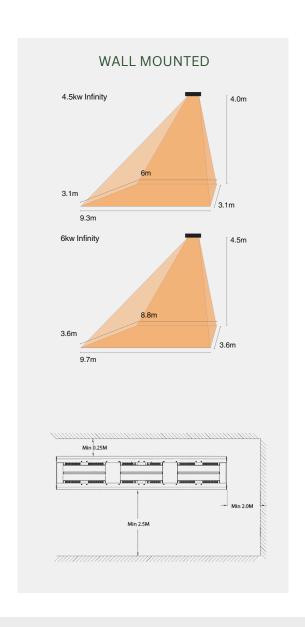


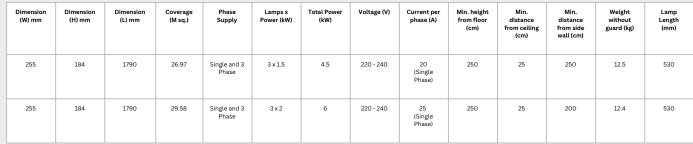
### 4.5KW AND 6KW INFINITY INFRARED HEATERS









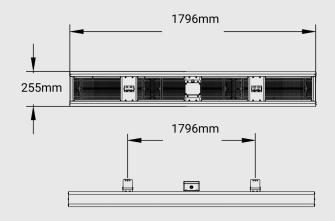


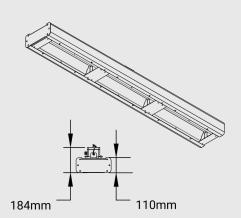






#### 9KW AND 12KW HORIZONTAL

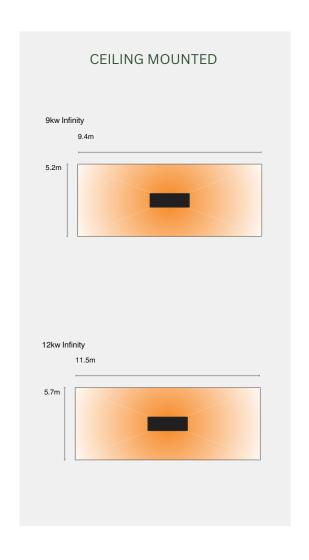


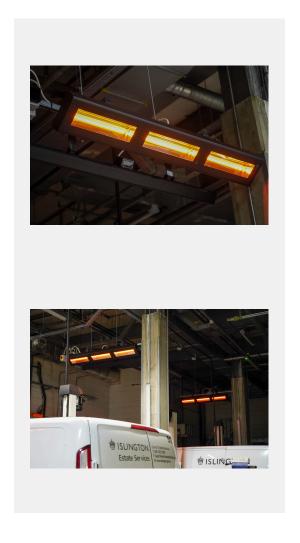


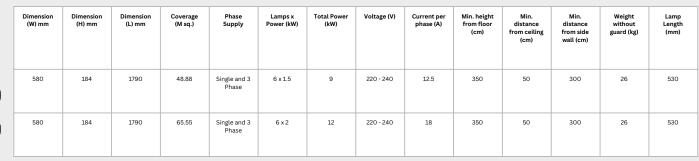
# 9KW AND 12KW INFINITY INDUSTRIAL INFRARED HEATERS









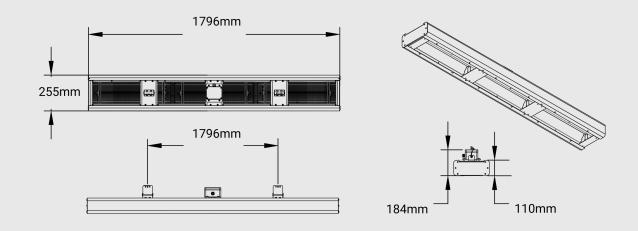








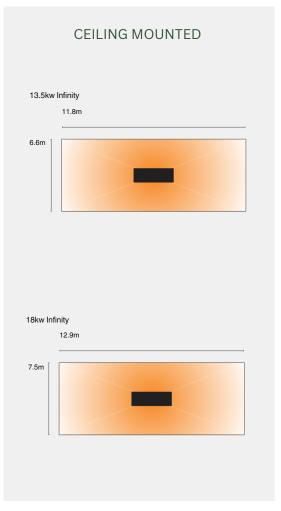
#### 13.5KW AND 18KW HORIZONTAL

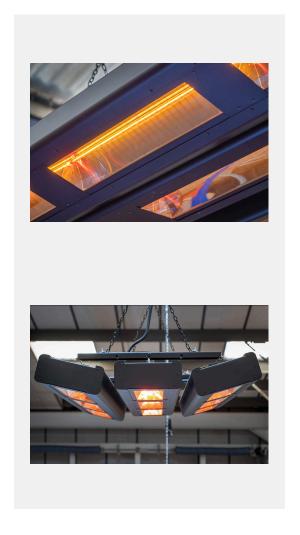


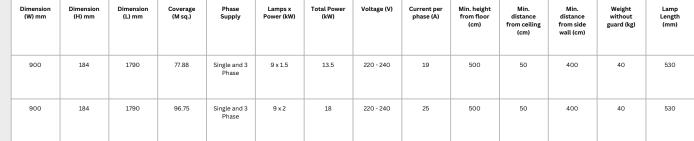
## 13.5KW AND 18KW INFINITY INDUSTRIAL INFRARED HEATERS





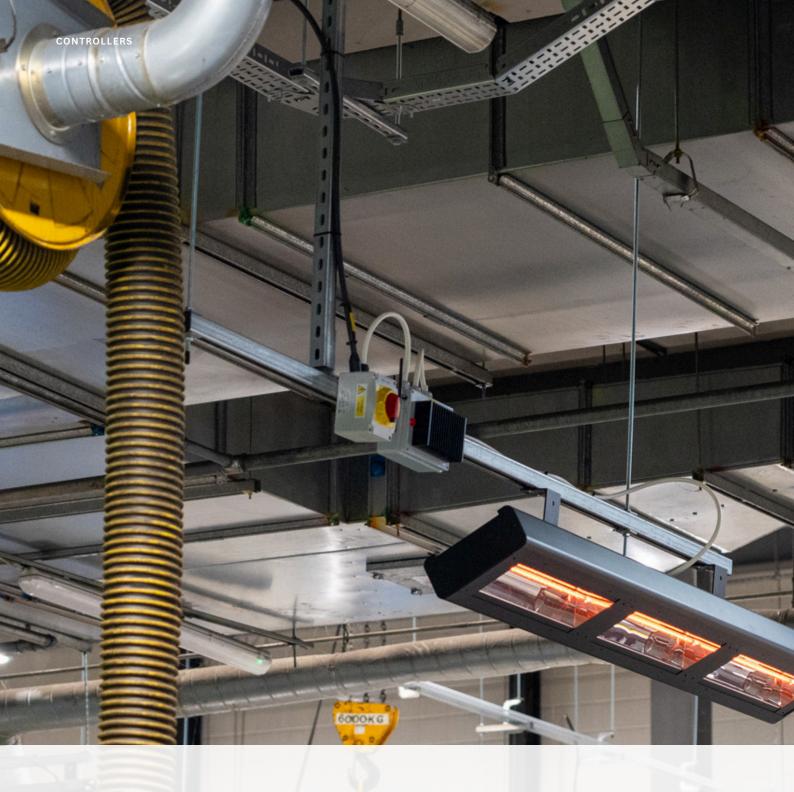












# CONTROLLERS

A unique feature to infrared heating is the ability to heat specific smaller areas within much larger open spaces. We call this zoning. Zoning allows us to have heater coverage for the entire space, however, only operates the zone or zones we want as and when they are needed. Instant heat exactly where you want it and when you want it.

## 3 - ZONE CONTROLLERS

Depending on the Electronic Controller you are using you are able to operate up to three zoned areas & connect up to three 2 kW or four 1.5 kW infrared heaters per zone. The power setting can be varied and this will affect each zone i.e., whatever setting the controller is set to then this is the power delivered to each zone.

#### 3-ZONE INDUSTRIAL HEATER CONTROLLER





Available kW:







3-ZONE INDUSTRIAL HEATER CONTROLLER REMOTE CONTROLLED RECEIVER





Available kW:









3-ZONE INDUSTRIAL HEATER CONTROLLER - REMOTE CONTROLLED RECEIVER AND TRANSMITTER



Available kW:







## REMOTE VARIABLE CONTROLLERS



3KW REMOTE VARIABLE HEATER CONTROLLER - RECEIVER

220-240V - Single Phase



£254 + VAT

RRP

6KW REMOTE VARIABLE HEATER CONTROLLER - RECEIVER



901316

£254 + VAT

RRP

9KW REMOTE VARIABLE HEATER CONTROLLER - RECEIVER

220-240V - Single Phase



901344

£254 + VAT

RRP

## **MASTER CONTROLLERS**



3 ZONE MASTER CONTROLLER - TRANSMITTER



£254 + VAT

RRP





901321

£260 + VAT

RRP

## **SWITCHES**

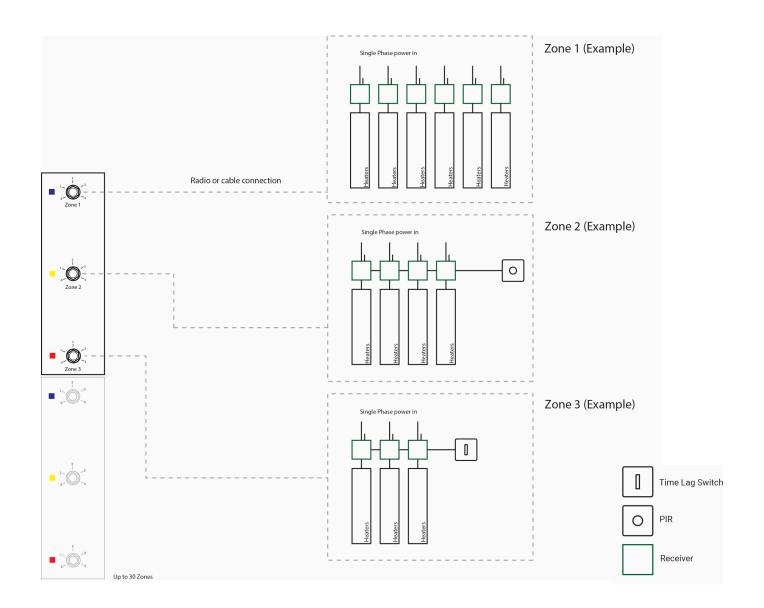


#### **PIR SWITCH**

Using our PIR connected into the Electronic Controller, will improve the efficiency of the heaters. The PIR will detect the presence of people by their movement made in specific area or zone.



## **HEATER AND CONTROLLER ZONING:**



#### **GET IN TOUCH**

#### REDUCING CLIMATE-DAMAGING **EMISSIONS**

Most companies today want to reduce or eliminate their net contribution to greenhouse gasses - but it can be hard to know where to begin.

What will have the most impact? One focus area for many organisations is their energy use and heating.

Gas-based systems are falling out of favour as they generate significant carbon emissions. Instead, many are turning to electric infrared heating as this offers the potential for zero emissions at the point of use if renewable energy is used to power them.

Infrared is a popular choice as it offers very high-efficiency ratings - up to 98% of energy is converted into heat. Additionally, heat isn't wasted as it can be focused on the areas that need it the most.

#### **GET A FREE QUOTE**



Scan here to fill in our quote form online. We're here to help you, once we know all your details and the full extent of your heating requirement, including work style and movements we can put together a comprehensive quotation for you.

Our UK based company has been designing and manufacturing innovative, market-leading heating solutions for more than 25 years. Shadow Industrial focuses on higher - ceilinged buildings where we can heat the whole or, specific areas within a larger space, providing businesses with cost-effective infrared heating solutions. When purchasing your heating solution from us:

#### Easy Installation.

- Use any competent electrician with us on hand to help and advise.
  - Buy direct from the manufacturer.
- Fast turnaround times, 5 star service all hassle

#### Make the sustainable choice.

Energy savings often over 90%, and a significant reduction in emissions. .

#### Automatic 2-5 year warranty.

Lifetime telephone support from our expert

#### **Free Specifying Service**

We will give you all the help you need to understand and purchase the perfect heating solution.

#### "Heater Haven"

From start to finish they gave me great advice on what type of heater would suit my needs. Would not hesitate to deal with again.

- Customer, Kevin Scott

#### "5 star service"

From start to finish the team couldn't be more helpful, I can't recommend the team highly enough.

- Customer, David Straker

#### "Perfect for heating solutions"

Delivery was excellent, they are very well built. They provide the perfect affordable heating solution, for large scale projects.

- Customer, CU.

















# SHADOW Industrial Infrared

#### **Contact Us**

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