



PHILIPS

Infrared lamps

Instant heat exactly where and when needed

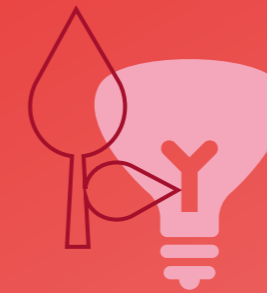
Infrared industrial
heat incandescent

The Philips infrared incandescent reflector lamps are designed to work in the toughest environments such as farms, bathrooms or kitchens and their nearest surroundings.



Benefits

- 90% of energy is transmitted as infrared
- Lamp lifetime 5,000 hours
- Instant, accurately controllable radiant heat
- Easy installation



Features

- Simple, safe and clean heat source
- High-efficiency, low energy costs
- Robust and sturdy hard glass construction of entire range of infrared reflectors.



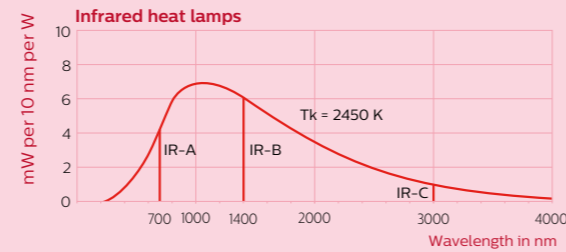
Application

- Agricultural: breeding and rearing of pigs, poultry, calves, foals, dogs etc. as well as in veterinary clinics, zoos and pet shops.
- General radiant heating, e.g. hot food displays, cooker hoods, bathrooms, space heating etc.
- Industrial heating, e.g. drying, baking, carbonizing, melting etc.

They provide direct, draught-free warmth to the animals, people and also food. These reflector lamps offer instant, accurately controllable heat where and when it is needed. The Philips infrared lamps have a reinforced construction thanks to the use of hard glass. Their compact form and universal cap base allow them to be used with every equipment dedicated to infrared heating. These benefits have made farmers, consumers and cooks around the world choose Philips infrared lamps, because they are the sturdiest, most efficient lamps available for these applications.

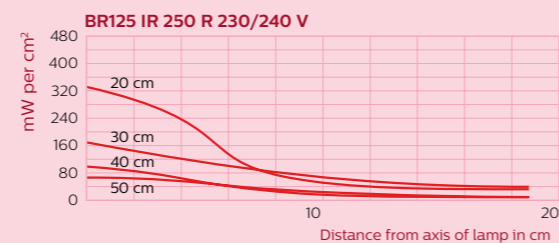
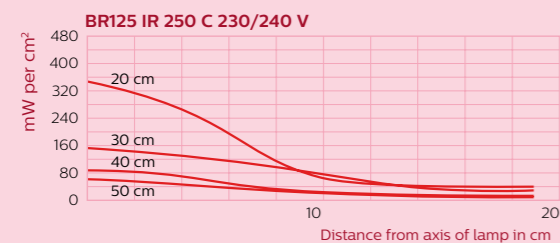
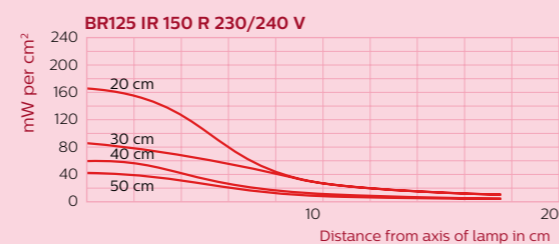
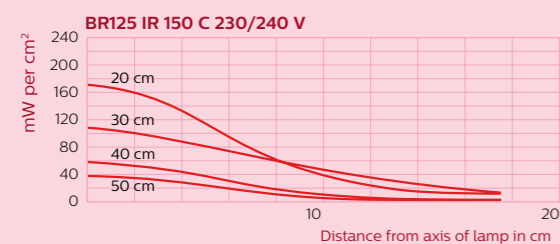
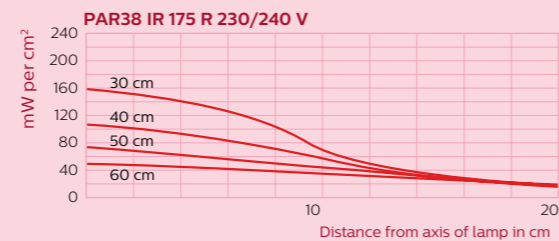
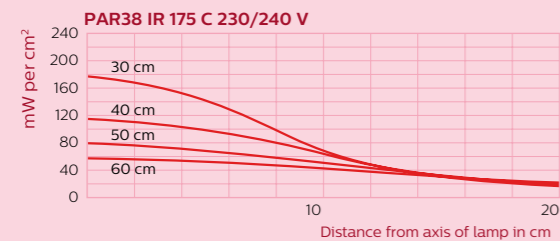
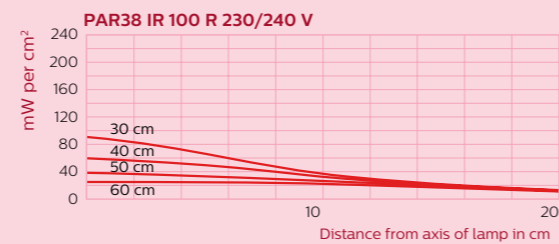
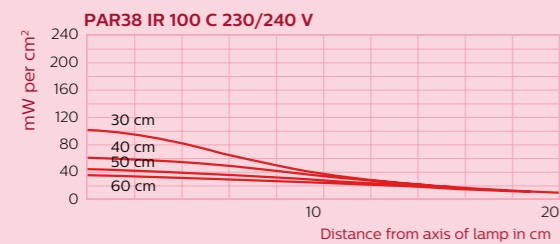


Spectral power distribution



Radiation intensity

at 20-30-40-50 cm from the front of the bulb



Optimum heating economy and efficiency

Philips infrared lamps are the optimum choice for maximum economy and efficiency in the rearing of pigs, chickens and other livestock, as well as in many other situations where heat is needed. Installation is quick and easy, with no need for costly building work, and the location and intensity of heating can easily be changed at any time.

Ideal for animal rearing

Experience shows that infrared radiant heat makes a significant contribution to optimizing animal rearing results. Growth is more rapid because animals do not need to expend energy on maintaining body temperature. In addition, the risk of infection is reduced because bedding is kept dry, and radiant heat is draught-free. Earlier farrowing is promoted, especially during winter, and mortality rates are greatly reduced, as young animals can be separated from the mother at an earlier age under infrared heating.

Precisely controllable heat delivery

Optimum economy is achieved not only by low-cost installation, but also by high-efficiency heat delivery to exactly where it is needed. Low thermal inertia of the infrared lamps means there is no delay for warming-up, and conversely heating stops virtually instantly when the lamps are switched off. Heat delivery is precisely controllable, either manually or by the use of an electronic control system.

Choice of lamp types

Philips offers a wide choice of infrared lamp types for radiant heating applications. The R125 blown-bulb types give the lowest possible initial investment, and are available in a wide range of wattages. These lamps are also available with a hard glass bulb with high mechanical and thermal strength, and resistance to sudden cooling and water splashes. BR125 is the improved lamp generating more heat in a wider beam, resulting in a larger floor space per lamp. These hard glass lamps have an integrated double reflector system that provides better heat output. The optional red lacquered types reduce visible light output (glare) by 75% in situations where visible light is not required.

Optimum economy with PAR38

The alternative PAR38 pressed glass reflector lamps offer optimum lifetime economy thanks to their higher efficiency. These lamps allow energy savings of around 30% to be achieved as a result of their highly efficient reflector and refractor lens design, which ensures that heat is directed precisely to the area where it is needed with minimal spillage. For example a 100 W PAR38 lamp radiates the same amount of heat in an 80 cm circle at a 65 cm height as a 150 W R125 lamp, while a 175 W PAR38 has the same heating effect as a 250 W R125 lamp. These PAR38 lamps have a hard glass bulb for optimum resistance to breakage caused by mechanical or thermal shock. PAR38 lamps are also available with red lacquered glass to reduce visual light output.

Long 5,000 hour lifetime

Contributing further to their outstanding economy, all the Philips infrared lamps have a long 5,000 hour lifetime. All types have a universal burning position, except for PAR38 and BR125 with red lacquered glass, which have a base-up $\pm 45^\circ$ burning position.



Portfolio

InfraRed Industrial Heat Incandescent



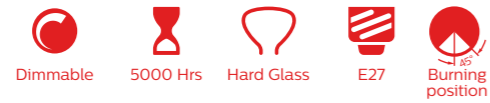
PAR38 CL 1CT/12 (1 carton/box of 12)



Product name	Wattage	Voltage	Shape	Finish	Length (C/C1)	Diameter (D)	EAN1	Order code
PAR38 IR 100W 230V E27 CL 1CT/12	100	230V	PAR38	Clear	136/123	121	8711500115782	923801244209
PAR38 IR 175W 230V E27 CL 1CT/12	175	230V	PAR38	Clear	136/123	121	8711500115799	923801344209
PAR38 IR 100W 240V E27 CL 1CT/12	100	240V	PAR38	Clear	136/123	121	8711500128935	923801245506
PAR38 IR 175W 240V E27 CL 1CT/12	175	240V	PAR38	Clear	136/123	121	8711500128959	923801345506

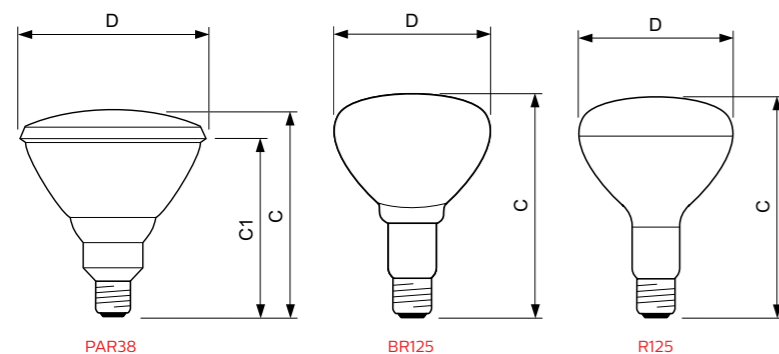


PAR38 Red 1CT/12 (1 carton/box of 12)



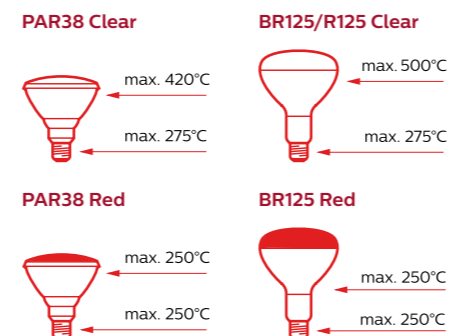
Product name	Wattage	Voltage	Shape	Finish	Length (C/C1)	Diameter (D)	EAN1	Order code
PAR38 IR 100W 230V E27 Red 1CT/12	100	230V	PAR38	Red	136/123	121	8711500600523	923801144209
PAR38 IR 175W 230V E27 Red 1CT/12	175	230V	PAR38	Red	136/123	121	8711500600530	923801444210
PAR38 IR 100W 240V E27 Red 1CT/12	100	240V	PAR38	Red	136/123	121	8711500128911	923801145506
PAR38 IR 175W 240V E27 Red 1CT/12	175	240V	PAR38	Red	136/123	121	8711500128980	923801445507

Dimensions

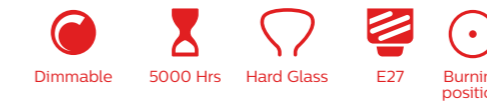


Luminaire design requirements

Permissible temperatures:



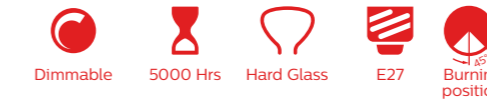
BR125 CL 1CT/10 (1 carton/box of 10)



Product name	Wattage	Voltage	Shape	Finish	Length (C)	Diameter (D)	EAN1	Order code
BR125 IR 150W 230-250V E27 CL 1CT/10	150	230-250V	BR125	Clear	173	125	8711500575227	923211943801
BR125 IR 250W 230-250V E27 CL 1CT/10	250	230-250V	BR125	Clear	173	125	8711500575234	923212143801



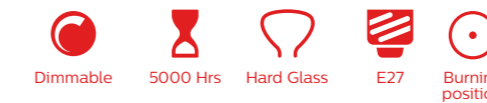
BR125 Red 1CT/10 (1 carton/box of 10)



Product name	Wattage	Voltage	Shape	Finish	Length (C)	Diameter (D)	EAN1	Order code
BR125 IR 150W 230-250V E27 Red 1CT/10	150	230-250V	BR125	Red	173	125	8711500575203	923211843801
BR125 IR 250W 230-250V E27 Red 1CT/10	250	230-250V	BR125	Red	173	125	8711500575210	923212043801



R125 CL 1CT/10 (1 carton/box of 10)



Product name	Wattage	Voltage	Shape	Finish	Length (C)	Diameter (D)	EAN1	Order code
R125 IR 250W 230-250V E27 CL 1CT/10	250	230-250V	R125	Clear	179	125	8711500126498	923221943807
R125 IR 300W 230-250V E27 CL 1CT/10	300	230-250V	R125	Clear	179	125	8711500126566	923223043807
R125 IR 375W 230-250V E27 CL 1CT/10	375	230-250V	R125	Clear	183	125	8711500126597	923223543807

