PHILIPS

Lighting

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Instant heat exactly where and when needed

InfraRed Industrial Heat Incandescent

The Philips infrared incandescent reflector lamps are designed to work in the toughest environment such as farm, bathroom or kitchen and their nearest surrounding. They have a reinforced construction thanks to hard glass use. Their compact form and universal cap base allow them to be used with any suitable equipment. A very good method of generating warmth is by using heat lamps. The Philips infrared lamps provide direct, draught-free warmth to the animals, people, but also food. 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.

Benefits

- 30% extra energy saving with PAR thanks to its unique reflector system
- Simple and safe heat source with no risk of broken glass
- 90% of energy is transmitted as infrared heat.

Features

- Robust and sturdy hard glass construction of entire range of infrared reflectors.
- Reflector shape allows concentrated heat to be applied to where it is needed.
- The design of PAR38 incorporates a completely sealed reflector and therefore high efficiency.
- More hassle free and handy replacement period thanks to long durability of infrared lamps
- Red-coloured lamps to reduce visual light emission and glare.

InfraRed Industrial Heat Incandescent

Application

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

Versions



E27, R125, Clear



E27, BR125, Red



E27, BR125, Clear



R80 E27



E26/E27, PAR38, Red



E26/E27, PAR38



R115, E27

Dimensional drawing

Product	D	C (max)
R125 IR 300W E27 230-250V CL 1CT/10	125 mm	179 mm
R125 IR 375W E27 230-250V CL 1CT/10	125 mm	183 mm
R125 IR 275W E27 240V 1CT/6	126.5 mm	179 mm
IR R115 245W 220V Clear 1CT/4	115 mm	162 mm

Dimensional drawing

Product	D (max)	C (max)
IR-AV R80 230-250V E27.1CT/25	81 mm	114.5 mm

Product	D	C (max)
BR125 IR 150W E27 230-250V CL 1CT/10	125 mm	173 mm
BR125 IR 250W E27 230-250V CL 1CT/10	125 mm	173 mm
BR125 IR 250W E27 230-250V Red 1CT/10	125 mm	173 mm
BR125 IR 150W E27 230-250V Red 1CT/10	125 mm	173 mm

Product	D	C (max)	C1 (max)
PAR38 IR 100W E27 230V CL 1CT/12	121 mm	136 mm	124 mm
PAR38 IR 100W E27 240V CL 1CT/12	121 mm	136 mm	124 mm
175PAR38/HEAT/CL 120V 12/1	121 mm	135 mm	123 mm
PAR38 IR 175W E27 230V CL 1CT/12	121 mm	136 mm	124 mm
PAR38 IR 100W E27 230V Red 1CT/12	121 mm	136 mm	124 mm
PAR38 IR 175W E27 230V Red 1CT/12	121 mm	136 mm	124 mm
PAR38 IR 175W E27 240V CL 1CT/12	121 mm	136 mm	124 mm
PAR38 IR 100W E27 240V Red 1CT/12	121 mm	136 mm	124 mm
PAR38 IR 175W E27 240V Red 1CT/12	121 mm	136 mm	124 mm

General Information

Nominal Lifetime (Nom)	5000 h
Rated Lifetime (Hours)	5000 h

Controls and Dimming

Order Code	Full Product Name	Dimmable
923203345503	R125 IR 275W E27 240V 1CT/6	No
923223043807	R125 IR 300W E27 230-250V CL 1CT/10	Yes
923223543807	R125 IR 375W E27 230-250V CL 1CT/10	Yes
923211843801	BR125 IR 150W E27 230-250V Red 1CT/10	Yes
923212043801	BR125 IR 250W E27 230-250V Red 1CT/10	Yes
923211943801	BR125 IR 150W E27 230-250V CL 1CT/10	Yes
923212143801	BR125 IR 250W E27 230-250V CL 1CT/10	Yes
923228443807	IR-AV R80 230-250V E27.1CT/25	Yes

Order Code	Full Product Name	Dimmable
923801144209	PAR38 IR 100W E27 230V Red 1CT/12	Yes
923801145506	PAR38 IR 100W E27 240V Red 1CT/12	Yes
923801444210	PAR38 IR 175W E27 230V Red 1CT/12	Yes
923801445507	PAR38 IR 175W E27 240V Red 1CT/12	Yes
923801244209	PAR38 IR 100W E27 230V CL 1CT/12	Yes
923801245506	PAR38 IR 100W E27 240V CL 1CT/12	Yes
923801344209	PAR38 IR 175W E27 230V CL 1CT/12	Yes
923801345506	PAR38 IR 175W E27 240V CL 1CT/12	Yes

InfraRed Industrial Heat Incandescent

Order Code	Full Product Name	Dimmable
923813534608	175PAR38/HEAT/CL 120V 12/1	Yes

Order Code	Full Product Name	Dimmable
924578542902	IR R115 245W 220V Clear 1CT/4	-

Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power (Rated) (Nom)	Warm Up Time To 60% Light (Nom)
923203345503	R125 IR 275W E27 240V 1CT/6	240 V	275 W	-
923223043807	R125 IR 300W E27 230-250V CL 1CT/10	230-250 V	300 W	-
923223543807	R125 IR 375W E27 230-250V CL 1CT/10	230-250 V	375 W	-
923211843801	BR125 IR 150W E27 230-250V Red 1CT/10	230-250 V	150 W	-
923212043801	BR125 IR 250W E27 230-250V Red 1CT/10	230-250 V	250 W	-
923211943801	BR125 IR 150W E27 230-250V CL 1CT/10	230-250 V	150 W	-
923212143801	BR125 IR 250W E27 230-250V CL 1CT/10	230-250 V	250 W	-
923228443807	IR-AV R80 230-250V E27.1CT/25	230-250 V	100.0 W	-
923801144209	PAR38 IR 100W E27 230V Red 1CT/12	230 V	100 W	-
923801145506	PAR38 IR 100W E27 240V Red 1CT/12	240 V	100 W	-

Order Code	Full Product Name	Voltage (Nom)	Power (Rated) (Nom)	Warm Up Time To 60% Light (Nom)
923801444210	PAR38 IR 175W E27 230V Red 1CT/12	230 V	175 W	-
923801445507	PAR38 IR 175W E27 240V Red 1CT/12	240 V	175 W	-
923801244209	PAR38 IR 100W E27 230V CL 1CT/12	230 V	100 W	-
923801245506	PAR38 IR 100W E27 240V CL 1CT/12	240 V	100 W	-
923801344209	PAR38 IR 175W E27 230V CL 1CT/12	230 V	175 W	-
923801345506	PAR38 IR 175W E27 240V CL 1CT/12	240 V	175 W	-
923813534608	175PAR38/HEAT/CL 120V 12/1	115-125 V	175 W	-
924578542902	IR R115 245W 220V Clear 1CT/4	220 V	245.0 W	instant full light s

General Information

Order Code	Full Product Name	Cap-Base	Main Application	Operating Position
923203345503	R125 IR 275W E27 240V 1CT/6	E27	-	-
923223043807	R125 IR 300W E27 230-250V CL 1CT/10	E27	Infrared Industrial	UNIVERSAL
923223543807	R125 IR 375W E27 230-250V CL 1CT/10	E27	Infrared Industrial	UNIVERSAL
923211843801	BR125 IR 150W E27 230-250V Red 1CT/10	E27	Infrared Industrial	H45
923212043801	BR125 IR 250W E27 230-250V Red 1CT/10	E27	Infrared Industrial	H45
923211943801	BR125 IR 150W E27 230-250V CL 1CT/10	E27	Infrared Industrial	UNIVERSAL
923212143801	BR125 IR 250W E27 230-250V CL 1CT/10	E27	Infrared Industrial	UNIVERSAL
923228443807	IR-AV R80 230-250V E27.1CT/25	E27	Infrared Industrial	-
923801144209	PAR38 IR 100W E27 230V Red 1CT/12	E27	Infrared Industrial	H45

Order Code	Full Product Name	Cap-Base	Main Application	Operating Position
923801145506	PAR38 IR 100W E27 240V Red 1CT/12	E27	Infrared Industrial	H45
923801444210	PAR38 IR 175W E27 230V Red 1CT/12	E27	Infrared Industrial	H45
923801445507	PAR38 IR 175W E27 240V Red 1CT/12	E27	Infrared Industrial	H45
923801244209	PAR38 IR 100W E27 230V CL 1CT/12	E27	Infrared Industrial	UNIVERSAL
923801245506	PAR38 IR 100W E27 240V CL 1CT/12	E27	Infrared Industrial	UNIVERSAL
923801344209	PAR38 IR 175W E27 230V CL 1CT/12	E27	Infrared Industrial	UNIVERSAL
923801345506	PAR38 IR 175W E27 240V CL 1CT/12	E27	Infrared Industrial	UNIVERSAL
923813534608	175PAR38/HEAT/CL 120V 12/1	E26/50X39	Infrared Industrial	UNIVERSAL
924578542902	IR R115 245W 220V Clear 1CT/4	E27/51	-	-

Luminaire Design Requirements

InfraRed Industrial Heat Incandescent

Order Code	Full Product Name	Bulb Temperature (Max)
923203345503	R125 IR 275W E27 240V 1CT/6	270 °C
923223043807	R125 IR 300W E27 230-250V CL 1CT/10	500 °C
923223543807	R125 IR 375W E27 230-250V CL 1CT/10	500 °C
923211843801	BR125 IR 150W E27 230-250V Red 1CT/10	250 °C
923212043801	BR125 IR 250W E27 230-250V Red 1CT/10	250 °C
923211943801	BR125 IR 150W E27 230-250V CL 1CT/10	500 °C
923212143801	BR125 IR 250W E27 230-250V CL 1CT/10	500 °C
923228443807	IR-AV R80 230-250V E27.1CT/25	-
923801144209	PAR38 IR 100W E27 230V Red 1CT/12	-

Order Code	Full Product Name	Bulb Temperature (Max)
923801145506	PAR38 IR 100W E27 240V Red 1CT/12	-
923801444210	PAR38 IR 175W E27 230V Red 1CT/12	-
923801445507	PAR38 IR 175W E27 240V Red 1CT/12	-
923801244209	PAR38 IR 100W E27 230V CL 1CT/12	-
923801245506	PAR38 IR 100W E27 240V CL 1CT/12	-
923801344209	PAR38 IR 175W E27 230V CL 1CT/12	-
923801345506	PAR38 IR 175W E27 240V CL 1CT/12	-
923813534608	175PAR38/HEAT/CL 120V 12/1	-
924578542902	IR R115 245W 220V Clear 1CT/4	-

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish	Bulb Material	Bulb Shape
923203345503	R125 IR 275W E27 240V 1CT/6	Clear	-	R125
923223043807	R125 IR 300W E27 230-250V CL 1CT/10	Clear	Hard Glass	R125
923223543807	R125 IR 375W E27 230-250V CL 1CT/10	Clear	Hard Glass	R125
923211843801	BR125 IR 150W E27 230-250V Red 1CT/10	Red	Hard Glass	BR125
923212043801	BR125 IR 250W E27 230-250V Red 1CT/10	Red	Hard Glass	BR125
923211943801	BR125 IR 150W E27 230-250V CL 1CT/10	Clear	Hard Glass	BR125
923212143801	BR125 IR 250W E27 230-250V CL 1CT/10	Clear	Hard Glass	BR125
923228443807	IR-AV R80 230-250V E27.1CT/25	Frosted	Hard Glass	R80

Order Code	Full Product Name	Bulb Finish	Bulb Material	Bulb Shape
923801144209	PAR38 IR 100W E27 230V Red 1CT/12	Red	Hard Glass	PAR38
923801145506	PAR38 IR 100W E27 240V Red 1CT/12	Red	Hard Glass	PAR38
923801444210	PAR38 IR 175W E27 230V Red 1CT/12	Red	Hard Glass	PAR38
923801445507	PAR38 IR 175W E27 240V Red 1CT/12	Red	Hard Glass	PAR38
923801244209	PAR38 IR 100W E27 230V CL 1CT/12	Clear	Hard Glass	PAR38
923801245506	PAR38 IR 100W E27 240V CL 1CT/12	Clear	Hard Glass	PAR38
923801344209	PAR38 IR 175W E27 230V CL 1CT/12	Clear	Hard Glass	PAR38
923801345506	PAR38 IR 175W E27 240V CL 1CT/12	Clear	Hard Glass	PAR38
923813534608	175PAR38/HEAT/CL 120V 12/1	Clear	Hard Glass	PAR38
924578542902	IR R115 245W 220V Clear 1CT/4	Clear	-	R115

Light Technical

Order Code	Full Product Name	Color Designation
923203345503	R125 IR 275W E27 240V 1CT/6	-
923223043807	R125 IR 300W E27 230-250V CL 1CT/10	-
923223543807	R125 IR 375W E27 230-250V CL 1CT/10	-
923211843801	BR125 IR 150W E27 230-250V Red 1CT/10	-
923212043801	BR125 IR 250W E27 230-250V Red 1CT/10	-
923211943801	BR125 IR 150W E27 230-250V CL 1CT/10	-
923212143801	BR125 IR 250W E27 230-250V CL 1CT/10	-
923228443807	IR-AV R80 230-250V E27.1CT/25	-
923801144209	PAR38 IR 100W E27 230V Red 1CT/12	R

Order Code	Full Product Name	Color Designation
923801145506	PAR38 IR 100W E27 240V Red 1CT/12	R
923801444210	PAR38 IR 175W E27 230V Red 1CT/12	R
923801445507	PAR38 IR 175W E27 240V Red 1CT/12	R
923801244209	PAR38 IR 100W E27 230V CL 1CT/12	C
923801245506	PAR38 IR 100W E27 240V CL 1CT/12	C
923801344209	PAR38 IR 175W E27 230V CL 1CT/12	C
923801345506	PAR38 IR 175W E27 240V CL 1CT/12	C
923813534608	175PAR38/HEAT/CL 120V 12/1	C
924578542902	IR R115 245W 220V Clear 1CT/4	-

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