



1500-4500 W Electrical heat

3 models

Halogen infrared heater IRCF

For spot heating of large premises

Application

IRCF is especially designed for spot heating of premises with large air volumes, such as churches, aircraft hangars and marquees. With its high efficiency and compact size it is perfect for many difficult applications.

Comfort

Radiant heaters give an efficient and pleasant heat in the dwelling zone and individual comfort can be created with spot and zone heating. No moving parts mean a silent system that does not cause air movements and a hygienic indoor climate is created when the spread of dust, bacteria or odours is reduced.

Operation and economy

Radiant heaters have an easy and flexible installation and require a minimum of maintenance. They give instant heat and no preheating is necessary. Radiant heaters can give cost savings of up to 25 % compared to convector heaters, especially in buildings with high ceilings that are used on an irregular basis.

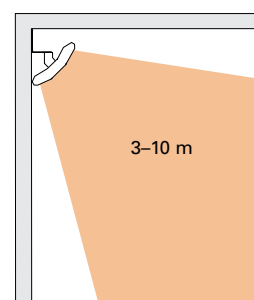
Design

IRCF has a discreet and compact design. Equipped with one to three halogen lamps and with glossy finished reflectors.

Product specifications

- Equipped with one to three halogen lamps and with glossy finished reflectors.
- Easy mounting with mounting bracket on the wall or ceiling. The heater can be angled.
- Protection grille available as an accessory.
- Corrosion proof casing of aluminum.
- Colour: RAL 9006.

Installation height



Design and specifications are subject to change without notice.

Halogen infrared heater IRCF



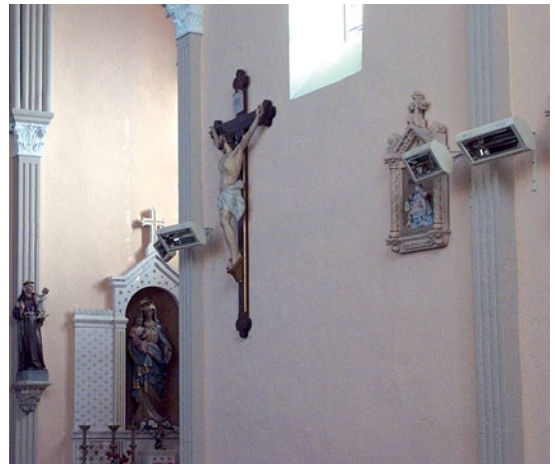
IRC can be mounted on the wall or on the ceiling and is suitable in buildings which are used sporadically like this go-cart track starting area.



IRC is often installed in large warehouses. They give instant and effective heat which make them profitable quickly.



The smallest model of IRC is excellent for difficult applications like churches.



Halogen infrared heater IRCF

Technical specifications | Infrared heater IRCF ⚡

Type	Heat output [W]	Voltage [V]	Dimensions LxHxW [mm]	Number of lamps	Weight [kg]
IRCF1500	1500	230V~	490x230x140	1	1,7
IRCF3000	3000	230V~	490x375x140	2	2,4
IRCF4500	4500	230V~/400V3~	490x515x140	3	3,0

Protection class: Halogen infrared heater IRCF: (IP20), normal design.
CE compliant.

Dimensions

The image displays technical drawings of the IRCF heaters. On the left, there are three front views of the IRCF1500, IRCF3000, and IRCF4500 models, showing their respective heights and internal lamp arrangements. To the right, there are side views of the heaters, illustrating their depth and the angled design of the reflector housing. The angled design is highlighted with a separate diagram showing the heater's profile and the resulting light distribution pattern.

Type	Height [mm]	Length [mm]
IRCF1500	230	490
IRCF3000	375	490
IRCF4500	515	490

IRCF can be angled.

Positioning, mounting and installation

Positioning

To heat a work station, it is suitable to use two units and let the heat flow cross.

Mounting

Delivered with mounting bracket that can be mounted on the wall or ceiling. IRCF must always be mounted horizontally. The unit can be angled. Protection grille IRCG1 is available as an accessory. For minimum mounting distance, see Fig. 1 and 2.

Connection

IRCF is intended for permanent installation.

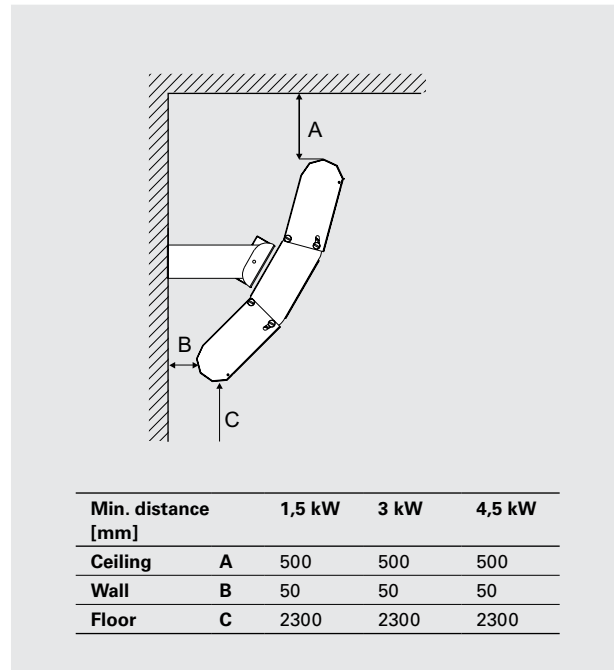


Fig. 1: Minimum mounting distance for wall mounting.

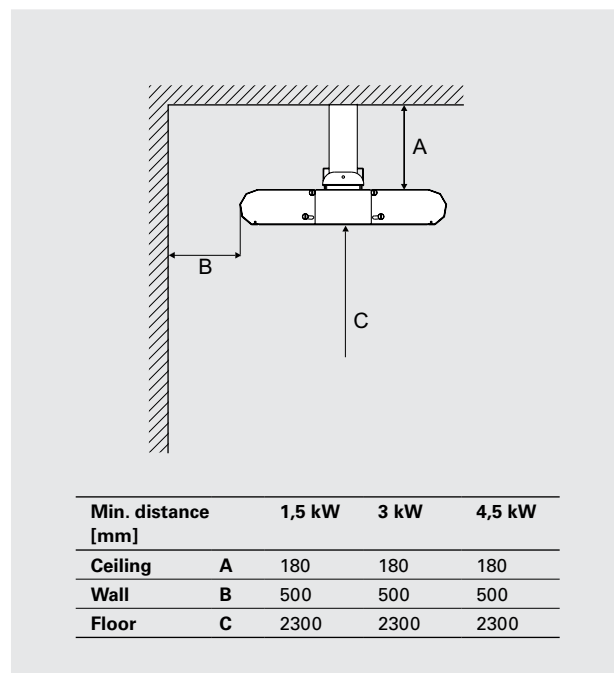


Fig. 2: Minimum mounting distance for ceiling mounting.

Halogen infrared heater IRCF

Control options

Control with timer (monophase)

The timer can be set to a desired time. If the current load exceeds the timer's setting range or if you want to control a larger system, a contactor can be used.

- CBT, electronic timer

Control by timer, contactor and switch (triphase)

Connection is made by a 3-step switch making it possible to manually connect the elements 1 + 1 + 1.

Timer can be set to desired time.

- S123, manual switch for 1-2-3 output steps
- CBT, timer

Control by thermostat, contactor and switch (triphase)

The choice of thermostat depends on needs and environment.

Connection is made by a 3-step switch making it possible to manually connect the elements 1 + 1 + 1.

- T10S, electronic thermostat with concealed knob
- TK10S, electronic thermostat with visible knob
- KRT1900, capillary tube thermostat, IP55
- S123, manual switch for 1-2-3 output steps

For further information and options, see the "Controls" section.

Accessories

LIRCF, extra lamp

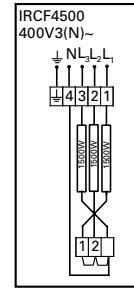
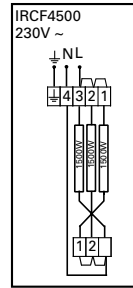
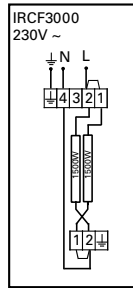
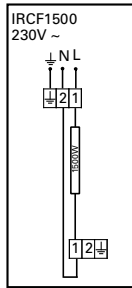
Halogen lamps of 1,5 kW are replaceable and has a life of about 5000 hours with normal usage.

Controls and other accessories

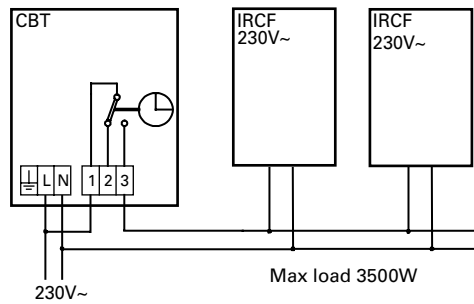
Type	Description	HxWxD [mm]
CBT	Timer	155x87x43
S123	Manual switch for 1-2-3 output steps	72x64x46
T10S	Electronic thermostat with concealed knob	80x80x31
TK10S	Electronic thermostat with visible knob	80x80x31
KRT1900	Capillary room thermostat, IP55	165x57x60
LIRCF	Extra lamp	
IRCG1	Protection grille for IRCF1500. IRCF3000 require 2 pcs, IRCF4500 require 3 pcs.	

Wiring diagrams

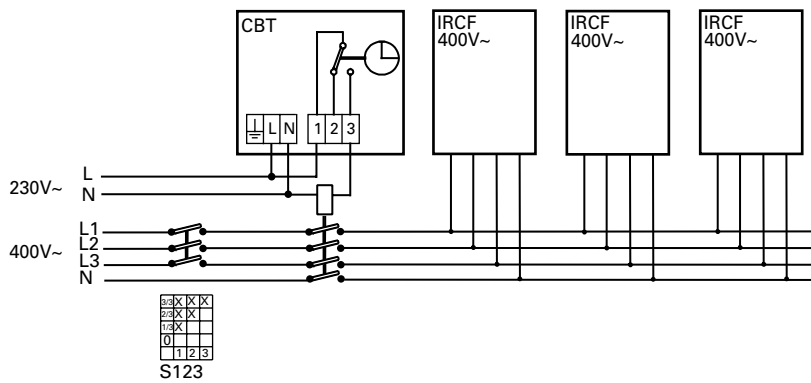
Internal wiring diagram



Control with timer (monophase)



Control by timer, contactor and switch (triphas)



Control by thermostat, contactor and switch (triphas)

