



## Infrasmart

### Halogen infrared heater with smart functions

Infrasmart is a compact, halogen infrared heater which can be controlled via an app, remote control (included), or built-in push-button.

The Frico Infra app is available for both iOS and Android. It has a range of up to 50 m and can control up to 8 infrared heaters.

Infrasmart is available in several IP classes and colours. They are suitable for balconies, outdoor areas and terraces.

- Infrasmart is available in the following versions:

- **Infrasmart IP67:** 1.5-2 kW, reduced glow. Colours: white RAL9010, black RAL9005 or grey RAL7016.

- **Infrasmart IP24:** 2 kW. Colours: white RAL9010, black RAL9005 or silver RAL9006.

- Remote control included, for regulation in 5 steps. Can also be controlled via the Frico Infra app. Built-in push-button.
- Halogen lamp with polished aluminium reflector.
- Wall bracket included. For other mounting alternatives, e.g. in the ceiling, under a parasol or awning, see accessories.
- Equipped with a 1.9 metre cord with plug for connection to an earthed outlet socket.
- Casing in powder-coated aluminium.



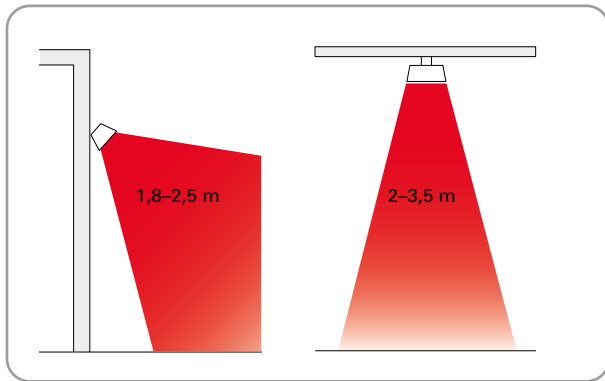
#### Infrasmart IP67, reduced glow (IP67)

Type	Heat output [W]	Voltage [V]	Colour	Max. filament temperature [°C]	Dimensions LxHxW [mm]	Weight [kg]
IHS15W67	1500	230V~	White	1800	710x125x104	2,5
IHS15B67	1500	230V~	Black	1800	710x125x104	2,5
IHS15G67	1500	230V~	Grey	1800	710x125x104	2,5
IHS20W67	2000	230V~	White	1800	710x125x104	2,5
IHS20B67	2000	230V~	Black	1800	710x125x104	2,5
IHS20G67	2000	230V~	Grey	1800	710x125x104	2,5

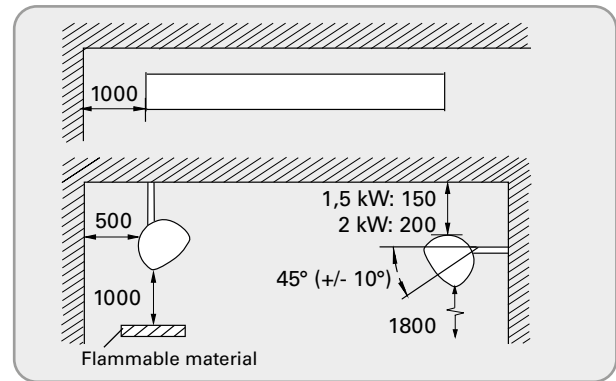
#### Infrasmart IP24 (IP24)

Type	Heat output [W]	Voltage [V]	Colour	Max. filament temperature [°C]	Dimensions LxHxW [mm]	Weight [kg]
IHS20W24	2000	230V~	White	1800	480x112x145	2,5
IHS20B24	2000	230V~	Black	1800	480x112x145	2,5
IHS20S24	2000	230V~	Silver	1800	480x112x145	2,5

Installation height

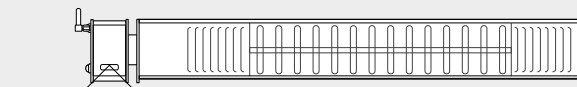
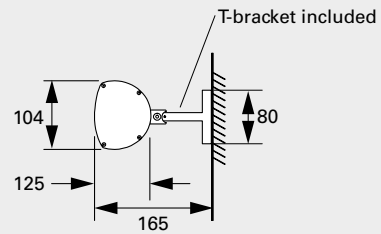
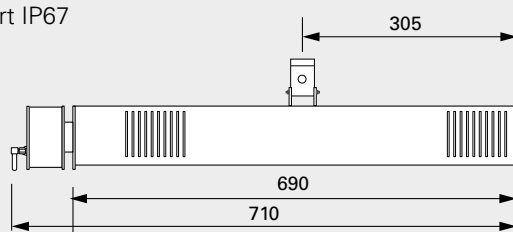


Minimum distances

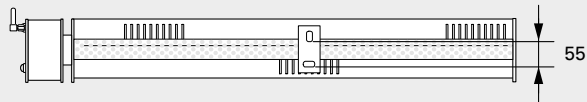


Dimensions

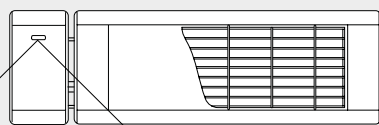
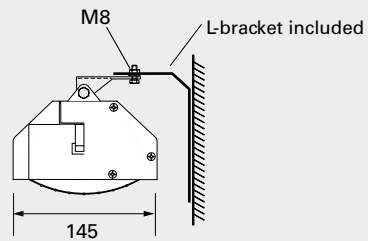
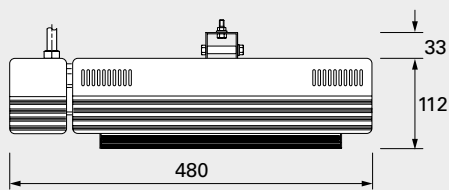
Infrasmart IP67



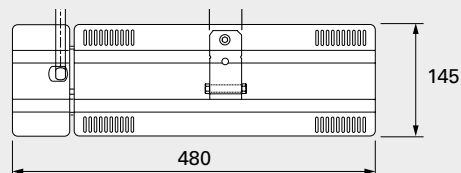
Operation range of IR-remote: 120°



Infrasmart IP24



Operation range of IR-remote: 120°



## Positioning, mounting and connection

### Positioning

The heaters must be placed so that they cover the area to be heated, see fig. 1. The normal mounting height is 2–3 metres above the ground/floor. A rule of thumb for infrared heaters is that 600–800 W/m<sup>2</sup> increases the experienced temperature by about 10 °C. The output demand can be reduced if the area to be heated is protected. If the area only has a roof, at least 800 W/m<sup>2</sup> should be installed. 600 W/m<sup>2</sup> is sufficient if the area has three walls. For enclosed areas, the output demand must be calculated. Optimum comfort is achieved if the heat is distributed from at least two directions.

### Mounting

IHS is installed horizontally on walls with supplied bracket. For other mounting alternatives, e.g. in the ceiling, under a parasol or awning, see accessories.

### Connection

IHS is equipped with a 1.9 metre cord with plug for connection to an earthed outlet socket.

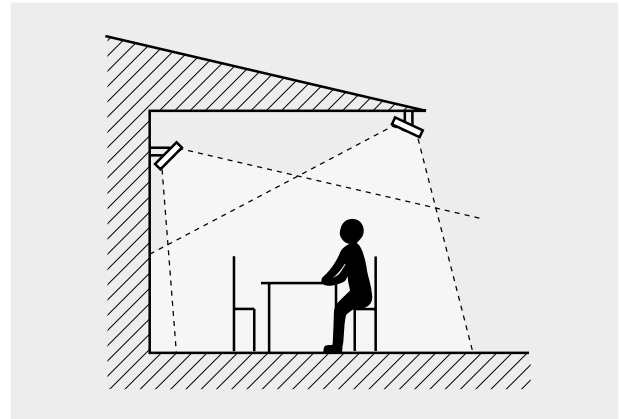


Fig. 1: The heaters should heat from at least two directions for even heating.

## Control options

Infrasmart is controlled via an app, the included remote control, or the built-in push button.

### Frico Infra app

The Frico Infra app is available for both iOS and Android. It has a range of up to 50 m and can control up to 8 infrared heaters. Each heater is individually managed and controlled. Stepless heating control (0–100%). Timer function included.

### Remote control

Heating in 5 steps. The range is up to 7 m with a free line of sight.



## Accessories



**KLS1KS**, bracket with velcro  
Bracket with velcro for quick and flexible mounting under a parasol or an awning. Use with BCSF for infrared heater with T bracket. (Infrasmart IP67).

**BCSF**, adapter mounting  
Adapter mounting to fix infrared heaters with T bracket on accessories, such as BHSS-3 and KLS1KS.

**BCDF**, ceiling bracket  
Used to secure the infrared heater in the ceiling.

**MB4040200**, awning bracket  
Used to install infrared heaters with T bracket under an awning. (Infrasmart IP67).

**IHXH**, drooping extension bracket for high level mounting  
Used to install the heater at high level, such as above a window. Wall bracket included.

**IHXL**, arching extension bracket for low level mounting  
Used to install the heater at low level, such as on a windbreak. Wall bracket included.

Type	Description
<b>KLS1KS</b>	Bracket with velcro
<b>BCSF9010</b>	Adapter mounting for KLS1KS for infrared heater with T bracket, white
<b>BCSF9005</b>	Adapter mounting for KLS1KS for infrared heater with T bracket, black
<b>BCSF7016</b>	Adapter mounting for KLS1KS for infrared heater with T bracket, grey
<b>BCDF209010</b>	Ceiling bracket, 200 mm, white
<b>BCDF209005</b>	Ceiling bracket, 200 mm, black
<b>BCDF207016</b>	Ceiling bracket, 200 mm, grey
<b>MB40402009010</b>	Awning bracket for infrared heater with T bracket, 200 mm, white
<b>MB40402009005</b>	Awning bracket for infrared heater with T bracket, 200 mm, black
<b>MB40402007016</b>	Awning bracket for infrared heater with T bracket, 200 mm, grey
<b>IHXH</b>	Extension bracket for high level mounting
<b>IHXL</b>	Extension bracket for low level mounting

