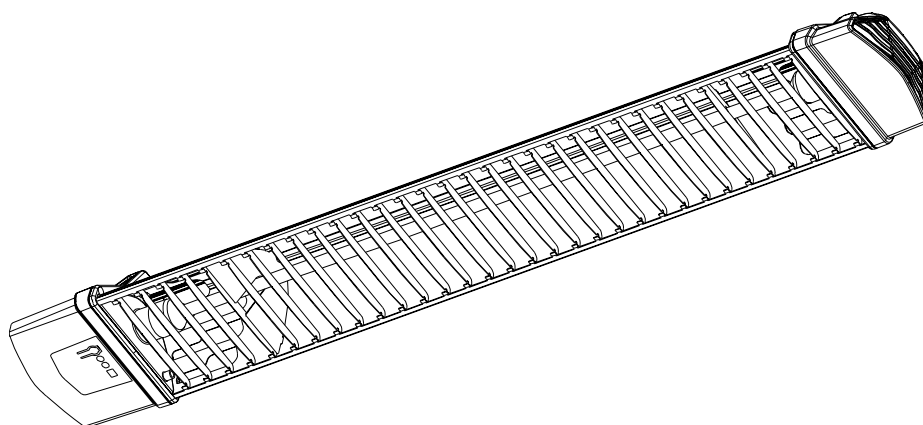


Original instructions  
**Infraclex**



EN ... 7

SE ... 10

NO ... 13

FR ... 16

DE ... 19

NL ... 22

ES ... 25

IT ... 28

PL ... 31

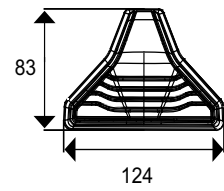
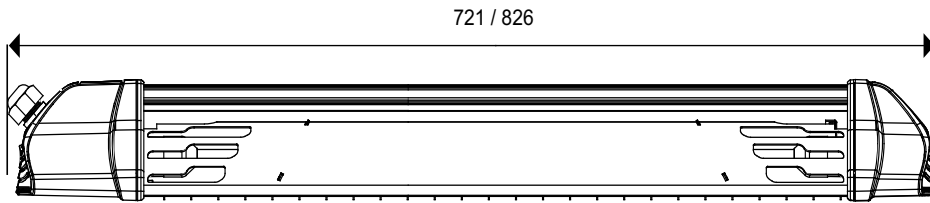
RU ... 34

FI ... 37

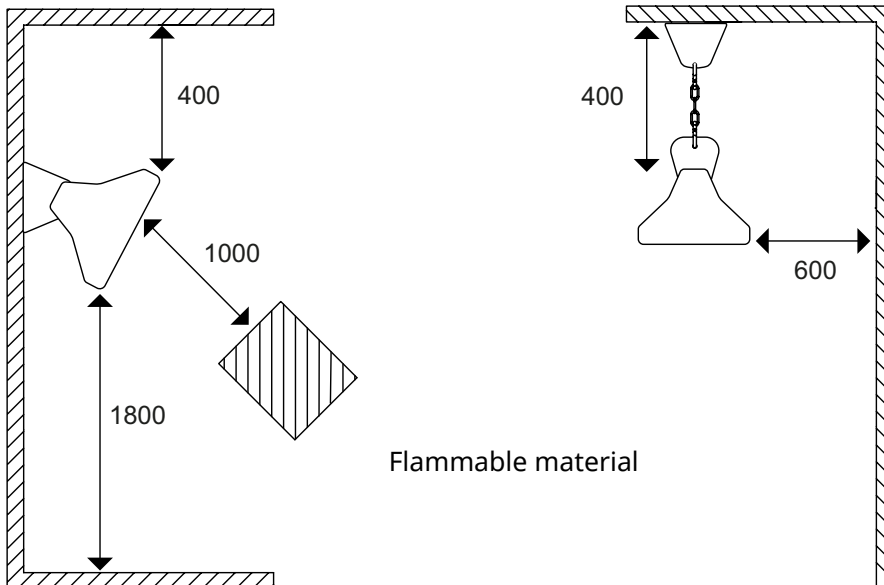
DK ... 40

# Infracflex

INF12/18



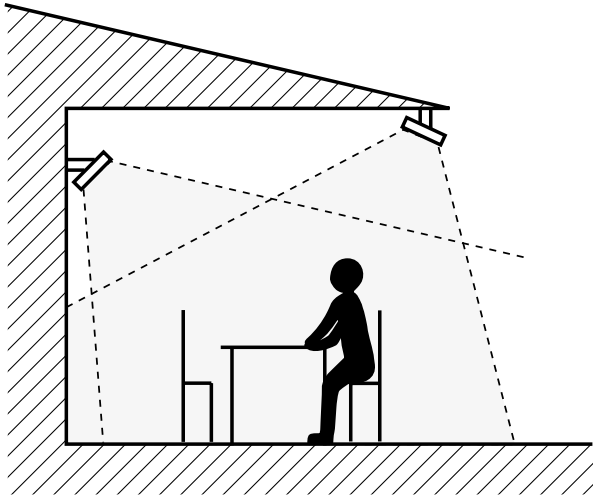
## Minimum distances



- SE: Minimiavstånd, Brännbart material
- NO: Minsteavstand, Brennbart materiale
- FR: Distances minimales, Matériau inflammable
- DE: Mindestabstand, Entflammbares Material
- NL: Minimale afstand, Brandbaar materiaal
- ES: Distancias mínimas, Material inflamable
- IT: Distanze minime, Materiali infiammabili
- PL: Minimalne odległości, Materiał łatwopalny
- RU: Минимальные расстояния при установке, Легковоспламеняемые материалы
- FI: Minimietäisyydet, Tulenarka materiaali
- DK: Minimumsafstande, Brændbart materiale

## Infracflex

### Positioning



### Installation height

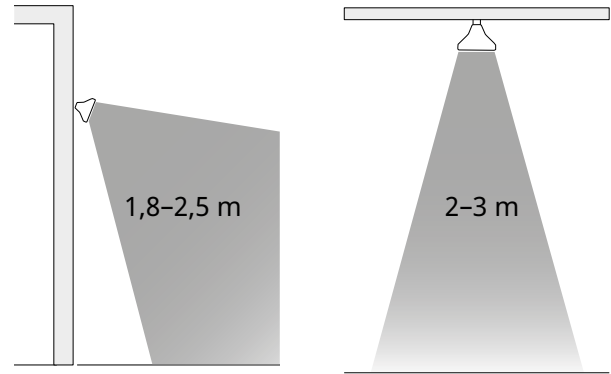


Fig.1: The heaters should heat from at least two directions for even heating.

SE: För jämn uppvärmning bör infrorna värma från minst två håll.

NO: For jevn oppvarming bør infraene varme fra minst to sider.

FR : Pour un chauffage uniforme, les émetteurs doivent chauffer dans au moins deux directions.

DE: Für eine gleichmäßige Wärmeleistung sollten die Strahler aus mindestens zwei Richtungen heizen.

NL: De stralers moeten voor een gelijkmatige verwarming vanuit minimaal twee richtingen werken.

ES: Para garantizar una calefacción uniforme, deben colocarse de modo que el calor llegue desde al menos dos direcciones.

IT: Per avere un riscaldamento uniforme, il calore deve provenire da almeno due direzioni.

PL: Aby zapewnić równomierne ogrzewanie, ciepło powinno pochodzić co najmniej z dwóch kierunków.

RU: Приборы должны располагаться по крайней мере с двух сторон от человека.

FI: Tasaisen lämmityksen varmistamiseksi lämmittimien tulisi lämmittää vähintään kahdesta suunnasta.

DK: Terrassevarmere bør varme fra mindst to retninger for at give jævn varme.

Infracflex

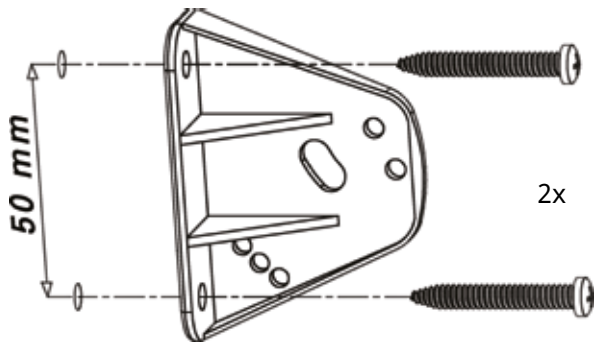


Fig.2

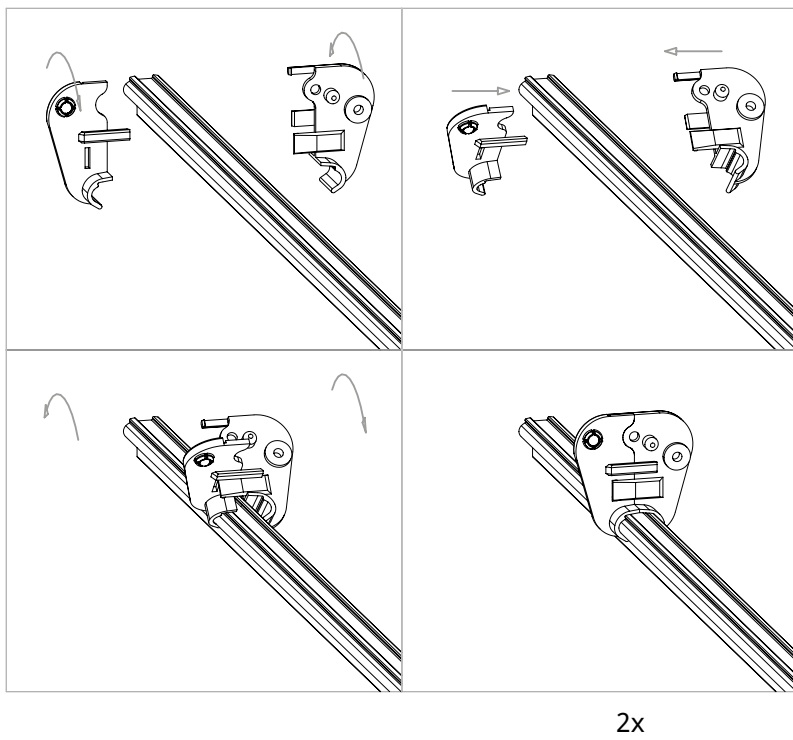


Fig.3

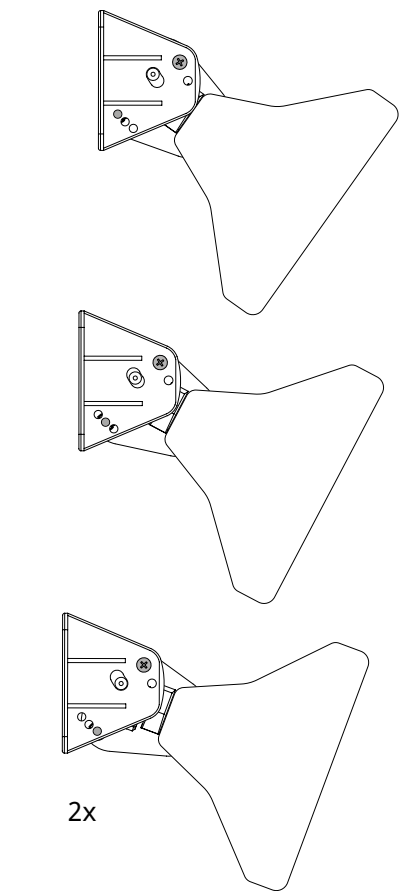
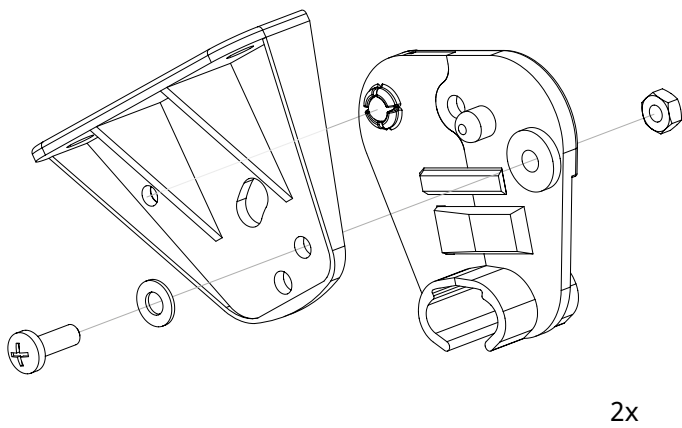


Fig.4

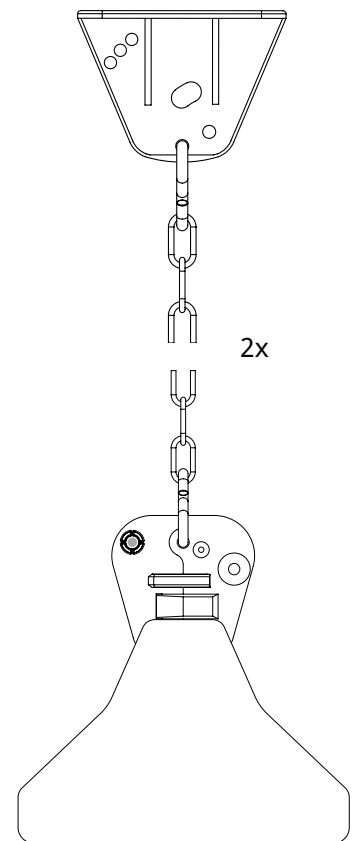


Fig.5

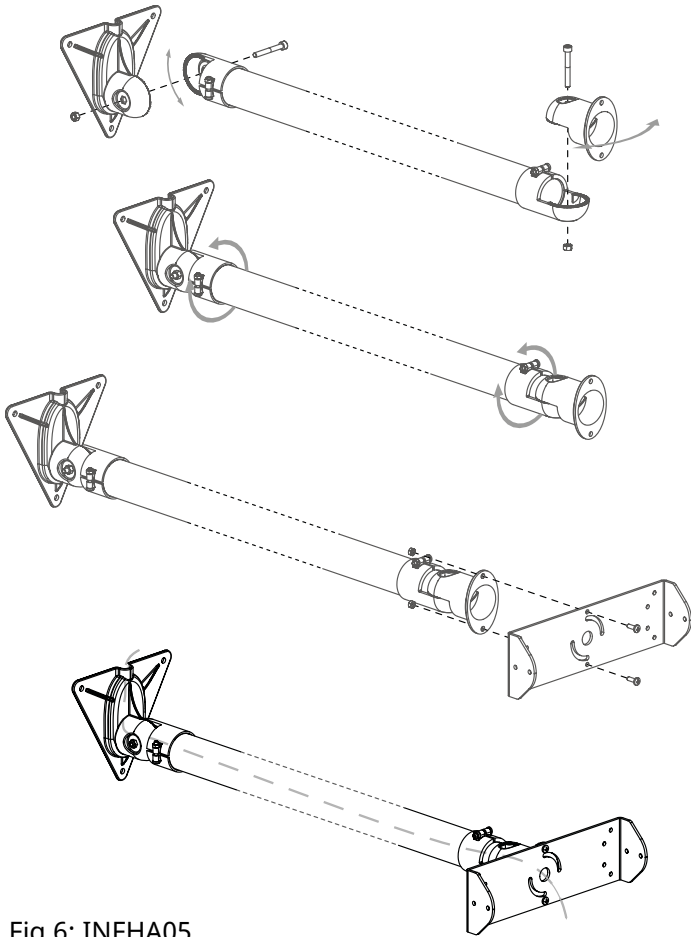


Fig.6: INFHA05

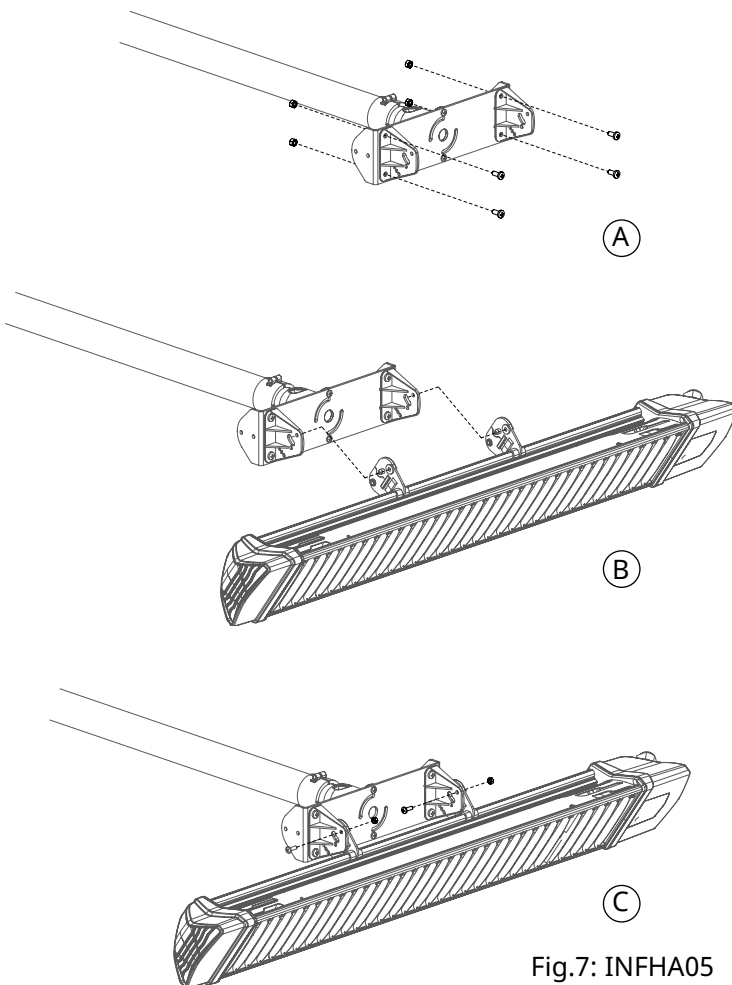
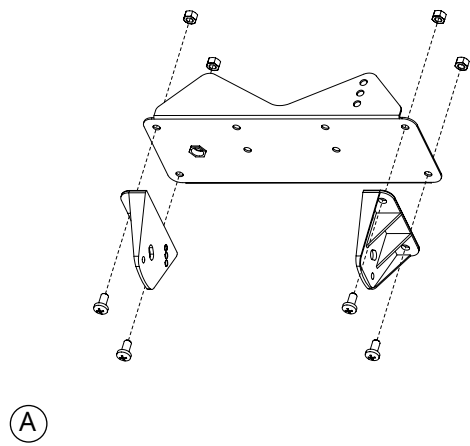
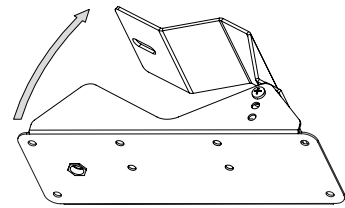


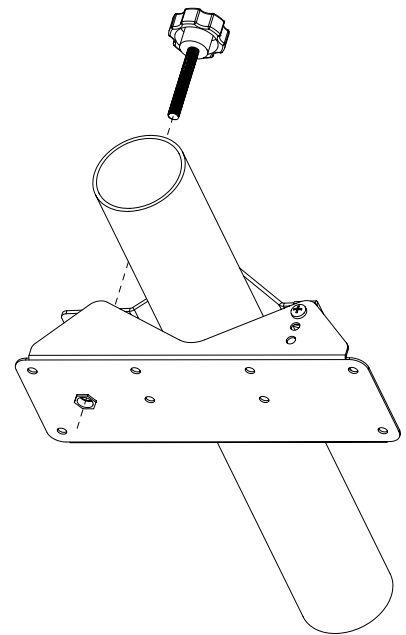
Fig.7: INFHA05



(A)



(B)



(C)

Fig.8: INFP

## Infraflex (IP55)

Item number	Type	Heat output [W]	Voltage [V]	Amperage [A]	Max. filament temperature [°C]	Weight [kg]
276650	<b>INF12</b>	1200	220-240V~	5,3	1200	0,9
276651	<b>INF18</b>	1800	220-240V~	7,9	1200	1,0



### EN: Heat output

SE: Värmeeffekt  
NO: Varmeeffekt  
FR: Puissance  
DE: Heizleistung  
NL: Verwarmingscapaciteit  
ES: Potencia calorífica  
IT: Potenza termica  
PL: Moc grzewcza  
RU: Выходная мощность  
FI: Lämmitysteho  
DK: Varmeeffekt

### EN: Amperage

SE: Ström  
NO: Strøm  
FR: Intensité  
DE: Stromstärke  
NL: Stroomsterkte  
ES: Intensidad  
IT: Corrente  
PL: Natężenie  
RU: Ток  
FI: Virta  
DK: Strømstyrke

### EN: Weight

SE: Vikt  
NO: Vekt  
FR: Poids  
DE: Gewicht  
NL: Gewicht  
ES: Peso  
IT: Peso  
PL: Masa  
RU: Bec  
FI: Paino  
DK: Vægt

### EN: Voltage

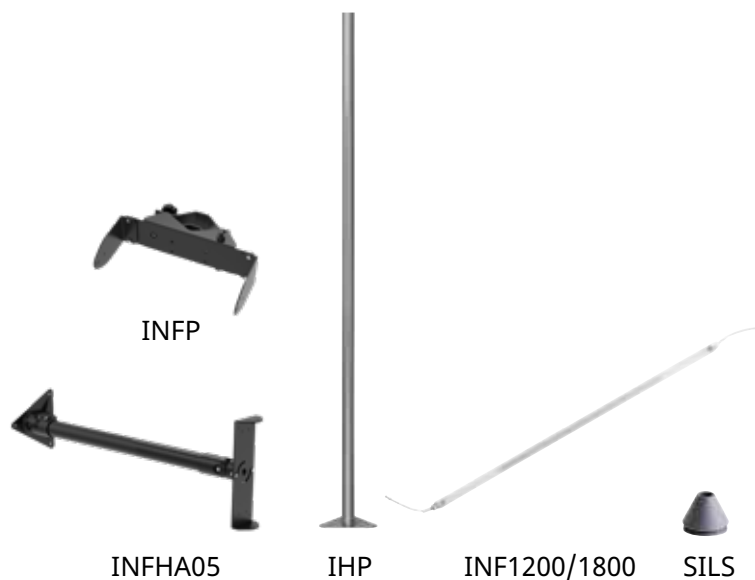
SE: Spänning  
NO: Spenning  
FR: Tension  
DE: Spannung  
NL: Voltage  
ES: Tensión  
IT: Tensione  
PL: Napięcie  
RU: Напряжение  
FI: Jännite  
DK: Spænding

### EN: Max. filament temperature

SE: Maximal glödtrådstemperatur  
NO: Maksimal glødetrådtemperatur  
FR: Température max. du filament  
DE: Max. Heizfadentemperatur  
NL: Max. gloeidraadtemperatuur  
ES: Temperatura máx. del filamento  
IT: Temperatura max. filamento  
PL: Maks. temperatura żarnika  
RU: Макс. т нити накала  
FI: Suurin hehkulangan lämpötila  
DK: Maks. filamenttemperatur

## Accessories

Item number	Type
282450	<b>INFP</b>
16970	<b>IHP</b>
282453	<b>INFHA05</b>
282454	<b>INF1200</b>
282455	<b>INF1800</b>
333521	<b>SILS12</b>
333522	<b>SILS18</b>



## Installation and operating instructions

### General Instructions

Read these instructions carefully prior to installation and use. Keep this manual for future reference.

*The product may only be used as set out in the assembly and operating instructions. The guarantee is only valid should the product be used in the manner intended and in accordance with the instructions.*

### Application

Infraflex is a versatile patio heater with several mounting options and is well suited for temporary heating at events or patios. Infraflex provides immediate heat when turned on and cools off quickly when switched off.

Protection class: IP55.

### Positioning

The heaters must be placed so that they cover the area to be heated. Optimum comfort is achieved if the heat is distributed from at least two directions. Fig.1. 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. The recommended installation heights for the heater are shown on the introduction pages.

### Mounting

Infraflex can be installed directly on a wall, with a hinged arm from the wall, with chains from the ceiling or on a post. Wall brackets and chains are included in delivery. The heater can be angled in several fixed positions. For minimum distance, see diagrams on introductory pages.

#### Wall mounting

1. Drill holes with a 5 mm diameter bit in the wall and fix the wall brackets. Fig.2.
2. Mount the two supports on the aluminum tube on the back of the unit. Fig.3.
3. With the supplied screws, lock the supports in the right angle on the wall brackets. Fig.3. Fig.4.

#### With chains

1. Drill holes with a 5 mm diameter bit and fix the wall brackets in the ceiling. Fig.2.
2. Mount the two supports on the aluminum tube on the back of the unit. Fig.3.
3. Mount the supplied S-hooks on both ends of the chains and hang the unit. Fig.5.

#### With hinged arm INFHA05 (accessory)

Hinged arm INFHA05 should not be used in areas where there is a high risk of earthquakes or strong winds.

1. Assemble all parts securely with screws and nuts. Fig.6.
2. Make sure that the cable does not get caught between the various components.
3. Fix the wall brackets to INFHA05. Fig.7A.
4. Mount the two supports to the aluminum tube on the back of the unit approx. 25 cm apart. Fig.3.
5. With the supplied screws, lock the supports in the right angle on the wall brackets. Fig.7B-C.

#### On post IHP with bracket INFP (accessories)

1. Fix the wall brackets to INFP. Fig.8A.
2. Open INFP and place around the post IHP. Fig.8B.
3. Insert the knob and screw until it is completely locked. Fig.8C.

### Connection

Infraflex is equipped with a 1.9 metre cord with plug for connection to an earthed outlet socket. The connection cord must not rest against the unit as the surface becomes hot or can be hit by thermal radiation. Contact an electrician if the cord needs to be changed. Note that due to the high temperatures in the heater, a cord of the type H05RN-F or the like should be used. As the halogen lamp has a high starting current the wall socket should be fuse protected by a slow burn fuse. In the event of uncertainty contact an electrician.

### Control

The heater is controlled with the included remote control (on/stand-by), or the built-in push button. The remote control can activate several heaters.

- Use included 2 x LR1 batteries for the remote control. Remove batteries when not in use for an extended period in order to preserve battery life.

- Always use the same type of batteries when changing them.
- The heater can still be used if the remote control is missing or not working.
- The remote control may not function should there be a loss of signal between the remote control and the heater.

### Start-up

When the unit is used for the first time or after a long period of non-use, smoke or an odour may result from dust or dirt which has collected on the element. This is completely normal and disappears after a short time.

### Replacing the lamp and silicon sealing

The heat lamp is of the highest quality and unless it is subjected to mechanical strains in the form of vibrations and impact it will last for a long time. The service life is dependent on the ambient temperature and how the heater is installed. When the heater is installed freely and outdoors the temperature will be low and the life of the lamp can be expected to be in the region of 5000 hours. When replacing the lamp, the silicone sealing connected to the lamp must also be replaced, it should be replaced beforehand if there are signs of aging. The lamp must be replaced by an installer or other skilled person.

1. Disconnect the power supply.
2. Wait until the unit is cold.
3. Remove the screws (6x) that holds the two plastic gables.
4. Remove the plastic gables.
5. Disconnect white cables (no other cables should be disconnected).
6. Remove the screw for the earth connection from the reflector.
7. Apply some denatured alcohol with a cloth on the lamp beside the silicone sealing before removing the lamp.
8. Remove the lamp by pushing it out of one of the silicone sealings until one end is free, then it can be pulled out of the second sealing.
9. Replace the silicone sealings to new ones (make sure that the sealing is properly assembled).

10. Apply some denatured alcohol on the new lamp (at least 10 cm in from each end) before assembly.
11. Assemble the new lamp and make sure that the silicone sealing is tight around the lamp ends.
12. Reassemble the rest of the unit again and make sure that no cables are pinched between gables and inner gable.

### Maintenance

The power supply to the unit must be disconnected during all service, repair and maintenance work. Wait until the unit is cold. The unit has no moving parts so the maintenance requirement is small, but it must be kept clean and free from dust and dirt. If the reflector is not clean the thermal radiation from the unit will decrease and the heater will become hotter. A large amount of dirt can cause overheating. The surface of the reflector is sensitive and must be cleaned with care. If the reflector is dirty it must be cleaned or replaced by a specialist. To clean the casing, wipe it with a soft, dry cloth. If it is very dirty, use a slightly damp cloth and, if necessary, a mild detergent. Wipe afterwards with a dry cloth to remove moisture.

### Packaging

Packaging materials are chosen with consideration to the environment and are therefore recyclable.

### Handling of product at end of working life

This product may contain substances necessary for the functionality of the product but potentially dangerous for the environment. The product should not be disposed of mixed with general household waste but delivered to a designated collection point for environmental recycling. Please contact the local authority for further details of your nearest designated collection point.



## Safety

- *For all installations of electrically heated products a residual current circuit breaker 300 mA for fire protection should be used.*
- *The unit must not be fully or partially covered as overheating can result in a fire risk!*
- *The unit must not be placed directly under fixed wall sockets!*
- *The unit must not be used if the unit or the cord is damaged. Risk of injury!*
- *The heater is equipped with a protective grille to prevent contact or to prevent large objects from touching the hot lamp. The unit must not be used without this protective grille.*
- *The cable and plug must not be placed inside the hot radiant area.*
- *This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.*
- *Children of less than 3 years should be kept away unless continuously supervised.*
- *Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.*
- *Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.*

**CAUTION — Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.**





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