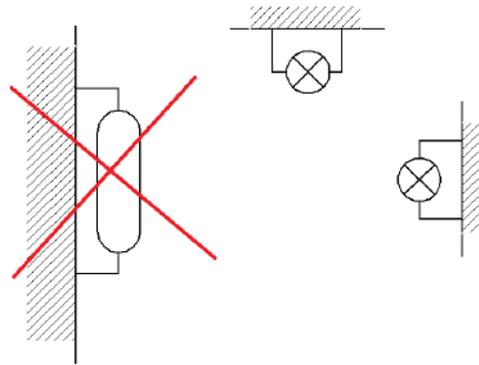


# Mounting Instructions: IR heating lamp Solamagic 4000W ECO+ for wall or ceiling

*Please read these instructions carefully before installing and retain them,  
as well as the packaging.*

## 1. Technical data:

- 400V 50Hz~ **4000W**
- 2x infrared halogen lamp 2000W
- Life: 5000 hours
- IP24
- Protection class I
- Dimensions: 866mm x 230mm x 176mm
- Weight: 4,5kg
- Heatable area: up to 26m<sup>2</sup>



## 2. Important information!

This heater is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, lack of experience or no training, unless they are supervised by a person responsible for their safety or receive from it instructions on how the device is to use. Children should be supervised to ensure that they do not play with the appliance.

This heater is not equipped with a means for controlling the room temperature. The heater must not be used in small spaces, which are inhabited by people who can't independently leave the room, unless constant supervision is ensured. Heaters in wet areas must be placed that the switch can't be touched by a person in the bath or the shower (installation with VDE 0100 Part 701).

Any necessary lamp replacement must be only performed by the customer service of the manufacturer or its authorized reseller. Electrical installations and repairs must be performed by a qualified electrician. The infrared thermal emitter is only tested and approved for horizontal wall mounting or ceiling. Please consider a safe distance!

- Installation of the radiator through the bracket screw segments on a wall or ceiling.
- Installation of the spotlight only with suitable material on solid, viable, normal corresponding flammable surface. It is possible that a mounting surface such of wood or wood like material (eg panels) also darken under normal operation over time.

## **Safety instructions:**

- Do not use the device unsupervised.
- Only use the heat lamps when someone is in the area of effect. This saves energy because the air around is not heated anyway, but only the objects and people who reside in the area or stop.
- Do not use the heater with a program selection switch, a timer or another control unit that switches the equipment on automatically.
- The equipment is designed for both interior and exterior use.
- Do not cover the unit - risk of fire!
- Do not install near normal flammable materials! (Minimum clearances!)
- Attention! It is important to ensure that the beam exit port is not point up! (Fire risk, inefficiency)
- In order to adjust the beam direction switch off the equipment and leave it cool down. Child safety instructions! (on one side is a hex nut M6 as interlocksystem → wrench SW10)
- Do not install directly under sockets, distribution boxes, switches or electrical lines.
- The appliance must be secured with at least 2x16 A (sluggish).
- Electrical installations and repairs must be performed by a qualified electrician. Faulty power supply cables have to be replaced by the manufacturer, its service agent or qualified personnel to avoid danger.
- Do not operate the equipment without the protective grid. Attention danger of burns!
- Do not look directly, for a long time, as well as from a short distance at the „infrared lamp“, when it is in operation! This could lead to eye damage.
- Infrared-halogen lamps are sensitive to substances containing sodium. Direct skin contact (Touching with the fingers) reduces the lamp's life cycle and is to be avoided.

## **3. Installation**

### **3.1 Components**

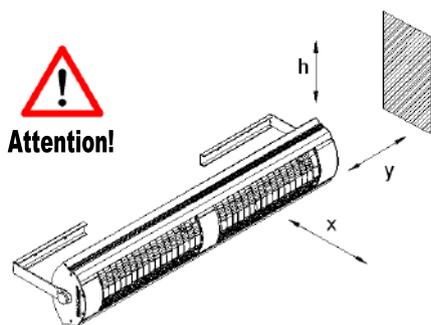
- 1x cable tie
- 4x protection hose
- 2x mounting bracket (straight / offset latch)
- Hex nut M6 (Parental Control)
- 2x star grip nut
- Fixings for bracket by customer (Ø 6,0mm)
- Optional: mounting bar tube holding for awning

### 3.2 Required tools

- Open end wrench SW10
- Open end wrench SW22
- hexagon socket screw key 2mm
- Electric drill with 6.5 mm drill bits
- Crimping tool (electrician)

### 3.3 Safety distances

Attention! The device should not be installed near power outlets, distributors, switches or power lines.



Minimum distances to adjacent surfaces		
Distance measured from the surface casing		
	Wandmontage	Deckenmontage
ceiling distance – h	400mm	350mm
illuminated surface	1200mm	1200mm
adjacent wall, laterally – y	350mm	300mm
mounting height – z	at least 1800mm	at least 1800mm

### 3.4 Installation of the IR heat radiator 4000W

*Mounting of the radiator only with suitable material at a solid, viable, normal inflammable underground.*

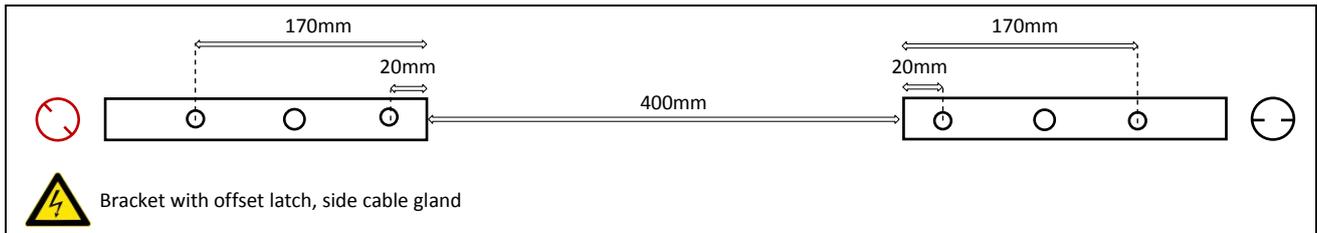
For the electrician:

- Mount protective earth conductor with attached crimp to support rail (crimp connector premounted in middle space between the infrared heat radiators in groove screwed). Crimp protective earth conductor in the cable lug.
- Slide enclosed protective tubes (under the side cover on cable gland) over the wires of the connecting cable
- Connect the wires according to the markings on the terminal block and bind them with the included cable tie before the terminal block.
- Fixed devices must be switched off at all poles.
- open cable gland with open end wrench SW22
- Put connection cable 400V HO5SS-F4G2,5 through cable gland and connect to the terminal block. Tighten the cable gland (strain relief).

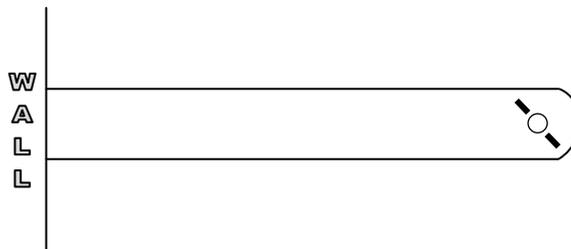
1. Loosen both lateral star grip nut
2. Loosen the nut M6 with open end wrench SW10. The Nut M6 is always on the side of the cable output (→ bracket with the offset latch).
3. Remove the bracket segments from the housing.
4. Mount the bracket segments on the wall or ceiling.

Attention! The mounting height, measured from the bottom edge of the radiator housing, must not be less than 2.0 m. This is true for both wall and ceiling mounting.

Fixings for bracket by customer (Ø 6,0mm). The bracket with the offset latch  is always on the left side of the cable gland.

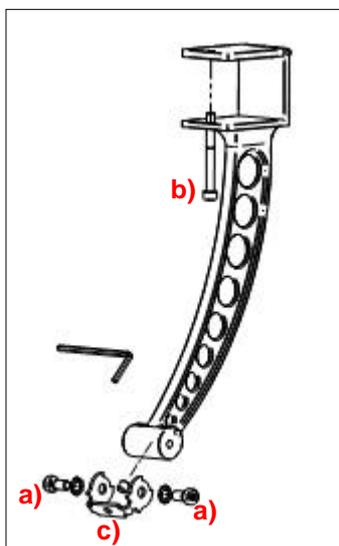


↓  
Left side view of the mounted bracket:



5. Mount the heat radiator back in the bracked segments. Mount the nut M6 (Parental Control) at the side of the cable gland (left) and tighten it with an open wrench SW10. Afterwards screw on the star grip nuts.
6. Changing the beam direction only possible with tools. Nut M6 (parental control) adjustable with open end wrench SW10 (side cable gland).  
Swivel range for wall installation: 0° up to 30° below  
Swivel range for ceiling mounting: 0° up to 30° facing away from the side wall

### ➡ **Mounting with optional accessories: supporting tube attachment for awning supporting tubes**



Optional mounting of IR heat radiator SOLAMAGIC 4000 ECO + possible with 2 supporting tube attachment for awning supporting tubes (without additional mounting bracket).

- premounted per bracket:
  - a) 2 allen screws M5x12 (1 spring ring Ø 6mm each)
  - b) 1 cylinder head bolt with washer M4x50
- accessory pack: Allen key 3mm, 4mm, 5mm
- The clamping slide (c), which must be connected to the supporting tube attachment, is already premounted with a threaded pin M3x6 in the middle groove of the carrier profile (back of the IR radiator).



1) Remove cylinder head screw M4x50 and washer (b) (4mm Allen key)



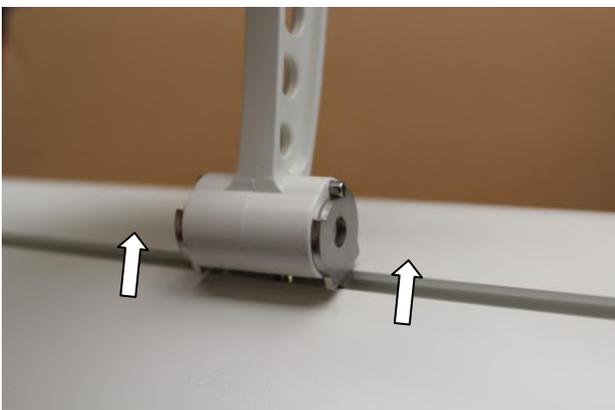
2) Open supporting tube attachment, set up on the awning supporting tube from behind and close the attachment



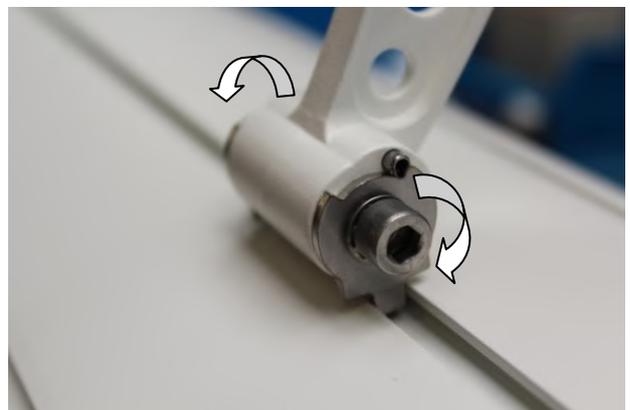
3) Screw closed supporting tube attachment with cylinder-head screw M4x50 (with washer) to the awning supporting tube (4mm Allen key)



4) Remove allen screws M5x12 (1 spring ring  $\varnothing$  6 mm each) from supporting tube attachments (5mm Allen key)  
→ Repeat steps 1 - 4 for the rest of the supporting tube attachment(s)



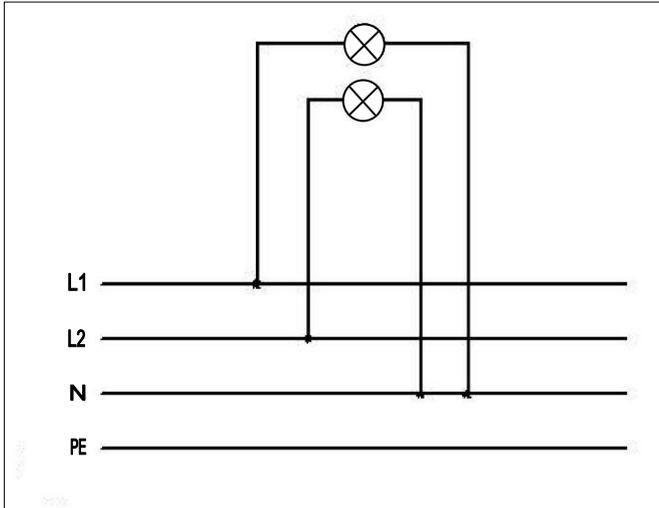
5) Set IR heat lamp with clamping slide at supporting tube attachment. Position of the clamping slide can be adjusted with an Allen key 3mm if necessary.



6) Screw 2 cylinder head screws M5x12 (1 spring ring  $\varnothing$  6mm each) through clamping slide with supporting tube attachment on both sides (5mm Allen key)

## 4. Connection

- Connection only as a fixed installation, cable material HO5SS-F4G2, 5mm<sup>2</sup>
- Protective earth conductor connection is premounted in the carrier profile and marked
- Separately switchable



- L1 – brown
- L2 – black
- N – blue
- PE – protective earth conductor (green/yellow)

Fig.1 Connection Diagram Solamagic 4000W

## 5. Commissioning

The device must be connected to the mains. Heating power is immediately with power on.

## 6. Cleaning

Cleaning the unit:

1. Disconnect the power supply
2. Let unit cool down
3. Do not remove protective grid
4. Use a soft and damp cloth, do not use detergents. Never immerse in liquids or spray down.

## 7. Troubleshooting/ Help

- Problem: The unit does not turn on.

Did you check the strength of your assurance? For a trouble-free operation of the lamp, you need a backup power of 16 amps (income).

Please check whether the infrared halogen lamp is damaged. If so, please contact the customer service department or contact the manufacturer.

- Problem: The unit does not heat sufficiently.

Check the beam angle. The objects to be heated should be located in the direct radiation field.

Check that mounting distance and mounting height of the radiator was kept.

The power of the radiator is not strong enough. Compare the heated surface in the technical data and the table of efficiency.

Mounting	Solamagic	4000W
 Ceiling	mounting height	2250mm
	adjustment	max. 30°
	no wind (0,2m/s)	100%
	light wind (2m/s)	89%
	strong wind (4m/s)	54%
 Wall	mounting height	2250mm
	adjustment	max. 30°
	no wind (0,2m/s)	100%
	light wind (2m/s)	78%
	strong wind (4m/s)	51%

- Problem: The infrared halogen lamp brings no heat output anymore.

The average life for IR halogen lamps is 5000 hours. If the power of life has expired, please contact the customer service department or contact the manufacturer.