



HEATSAIL

EXTEND YOUR GREAT MOMENTS



DOMES[®] BOW BRACKET MANUAL

For the most recent version of this manual check our website.
<https://heatsail.com/usa/technical-specifications-documentation/>
Do not discard this manual, it contains your device's serial number.

SUMMER
NIGHTS
SHOULD LAST
FOREVER

1	ELECTRICAL SAFETY PROCEDURES	6
2	OPERATIONAL SAFETY	7
3	MAINTENANCE	8
4	WARRANTY CONDITIONS	10
5	APPLICABLE LAW	11
6	ASSEMBLY AND WIRING INSTRUCTIONS	12
7	TROUBLESHOOTING	21
8	WIRING DIAGRAM	22

Thank you for your purchase!

This manual is inextricably linked to the DOME® and must always be kept by the user or by the responsible person.

Read the user instructions carefully. It contains essential information about safety, use, cleaning and maintenance of the DOME. Heatsail cannot be held liable for damage to persons, animals and objects resulting from noncompliance with the instructions in the user manual.

Heatsail reserves the right to make changes to the product, technical features and instructions at any time and without prior notice.

If you resell the DOME, transfer it to another user or leave it behind when relocating, the manual must be made available to the new user.

We wish you many warm and pleasant evenings with our DOME.

The HEATSAIL team

User manual

Operating, maintenance and installation.

Attention

Please read through these instructions carefully before using your DOME.

Do not discard this manual, as it contains your device's serial number.

1. Electrical safety regulations & requirements

The use of the DOME requires an electrical system with sound safety grounding. The electrical safety of the device is only assured if it is correctly connected to a grounding system built in accordance with safety regulations. It must be inspected before use. If anything is unclear, a qualified and authorised person must be consulted. Heatsail is not responsible for damage caused by an ungrounded device.

The installation of the DOME's electrical components requires a main connection of 240V-60Hz (16 amp fuse and appropriate RCD); the connection must be properly implemented in accordance with the applicable IEC-CEI standards.

Please note: This product must be installed by a licensed electrician and the power supply connection should be in accordance with the requirements of NFPA 70 and OSHA Regulations 29 CFR 1910.304(b)(2). Statutory and other local regulations may apply.

Before carrying out any maintenance or other work, the power supply must be disconnected by a licensed electrician. Use Lock-out/Tagout procedures to ensure that the power can't be switched on again accidentally.

Adapters, power strips and extension cords may not be used for the DOME electrical supply. A switch must be installed between the DOME and the fuse box at all times. Noncompliance with these instructions may compromise the safety of the device. Heatsail will not be held liable for any damage resulting from these issues.

2. Safety

A minimum clear height of 1.80 meter must be observed for the DOME, measured between the ground and bottom of the lowest heating element at the time of installation.

Children near the product must be under adult supervision when it's in use. This product is not intended to be operated by children, to be played with or to be played on. The DOME must be kept out of reach of anyone incapable of assessing the risks which can arise from the (improper) use of electrical equipment.

Do not use the DOME in small rooms when occupied by persons not capable of leaving the room on their own, unless constant supervision is provided.

CAREFUL: The heater reaches very high temperatures and can cause burns. The DOME must never be touched as soon as it is switched on.

Special attention must be given when children and vulnerable people are present.

The DOME will remain hot for a considerable period of time after it has been switched off. Do not touch the DOME for a period of 40 minutes after it has been switched off. Caution should be exercised at all times. The grill does not offer protection against the heat.

The DOME must never be used when the glass is damaged.

The DOME may not be used with a timer or any device that can automatically switch on the heating, as there is a risk of fire if the DOME has been incorrectly positioned or if items have been placed within the minimum safe operating distance.

Never use the DOME in the immediate vicinity of a bath, jacuzzi, shower or swimming pool.

To reduce the risk of fire, keep textiles, curtains and any other flammable material a minimum distance of 1 meter from the DOME. Never cover your DOME without disconnect the power supply via the main switch.

The DOME must never be touched with bare, wet or damp body parts.

The DOME is constructed of six high radiance ceramic heating elements mounted on a reflective plate. The full operating temperature will be reached within 30 minutes.

Please note: there is no noticeable glow in the infrared area.

Never use the DOME to light anything. The ceramic elements are fragile and must be handled with care. The same also applies to the glass casing.

✱ **Always keep the DOME free of snow.**

The DOME is not allowed for use in greenhouses or construction sites.

Heatsail will not be held responsible for damage resulting from noncompliance with the instructions regarding use and maintenance.

3. Maintenance

3.1 Cleaning

Your DOME must be cleaned on a monthly basis.

The electrical supply must be disconnected via the installation's breaker switch and by disconnecting the wiring before cleaning activities can commence. Cleaning may only be done with a soft, dry cloth. Do not use any abrasive cloths. Do not use detergents. Using a high pressure and/or steam cleaner is prohibited. Cleaning is only permitted once the DOME has completely cooled down.

Noncompliance with these rules may compromise the safety of the device. Heatsail will not be held responsible for damage resulting from noncompliance with the cleaning instructions.

3.2. Replacing the lamp

Your DOME is supplied with an R7S 230V/120 watt (78mm) halogen bulb as standard. The maximum permitted output power of the bulb is 120 watts.

The electrical supply must be disconnected via the installation's breaker switch before the bulb can be replaced.

You can replace the bulb by carefully sliding the glass upwards. Use a tool (like a screwdriver) to hold up the glass. The bulb is held in place by a spring. Remove the bulb by first pushing it to the left or right and thereby releasing it from its socket. Then replace the bulb and reverse previous steps.

Please note: Be careful never to touch the halogen bulb with bare fingers, as oils from skin will significantly reduce bulb life.

3.3. Inspection

The DOME must be subjected to an annual inspection.

The user is not authorized to carry out his own inspections and repairs. Inspection of the DOME must exclusively be carried out by qualified and authorized technicians, in accordance with Heatsail's applicable standards and regulations. "Qualified technicians" are understood to mean: people who have completed a technical training course for the installation of outdoor heating and who are familiar with the applicable electrical laws and regulations.

The electrical supply must be disconnected via the installation's mainsbreaker before any work can be carried out.

All repairs must be requested via an authorized distributor of Heatsail products. A repair is only valid when original parts have been used.

Upon written approval by Heatsail, the entire control panel should be returned in case of a defective cable.

Heatsail will not be held responsible for damage resulting from noncompliance with the maintenance instructions.

4. Warranty conditions

4.1. Warranty

Your DOME comes with a two year, limited warranty. The original invoice will serve as your proof of purchase. This warranty does not affect the buyer's rights by virtue of the national legislation regarding the sale of consumer goods. This warranty is only valid if the DOME installation and maintenance have been carried out in accordance with the applicable standards and regulations and instructions for the installation, use, cleaning and maintenance of the product by qualified individuals who satisfy the legal requirements.

The warranty term will commence from the date the goods were delivered.

Any defective goods will be reviewed by an authorized Heatsail distributor. Once Heatsail has deemed a fault as a warranty situation, the Heatsail unit(s) will be brought to a local distributor for repair and returned in a timely manner.

Heatsail and its distributors will not award any compensation for any direct or indirect damage resulting from, or relating to, using the product.

The replaced parts will be under warranty for the remainder of the warranty period from the date the goods are delivered.

4.2. Warranty exclusions

- The conditions for activating the warranty were not met.
- The parts appear to be defective as a result of negligence or inappropriate use or incorrect maintenance.
- The installation has not been carried out in accordance with the legal standards and not in accordance with the instructions provided in the user manual.
- Any damage caused as a result of weather conditions, chemical and electrochemical reactions, improper use, natural disasters, electrical discharge, fire, a defective electrical installation, modifications or mishandling to packaging, the handle and the electrical wiring.
- Any damage caused by transport.

We recommend you thoroughly check the goods upon receipt, allowing you to immediately notify the seller of any possible damage and to record any such damage on the transport document and the courier's copy. For example:

- Physical damage after the installation, including glass breakage and scratches on the DOME and accessories.
- Suspicious tampering with the DOME and/or other causes which can't be attributed to the product's manufacture.
- The use of non-original replacement parts.
- Damage caused through normal wear and tear.

4.3. What to do in the event of a fault?

In case of a fault, you must contact an authorized distributor immediately (no later than two months after the fault was first identified) for a repair or replacement. The warranty can only be initiated after written permission has been granted.

Heatsail declines any form of liability for any possible damage and/or injury which has been either directly or indirectly caused to people, animals or objects as a result of noncompliance with the instructions in the user manual and which specifically concern the warnings in relation to the installation, use and maintenance of the device.

5. Applicable law – competent court

The general terms and conditions and the agreement are governed by Belgian law. The courts of the judicial district of Antwerp shall have exclusive jurisdiction to settle any dispute arising from the agreement.

6. Assembly and wiring instructions

Open the box and follow these instruction guidelines for a quick installation.

You'll find this inside:

- | | | | |
|-----------|---------------------------|-----------|---------------------------|
| 1x | DOME | 5x | M6 set screws |
| 1x | bow bracket | 2x | M2 set screws |
| 1x | curved tube | 4x | ceiling anchors and screw |
| 5x | water resistant connector | 1x | user manuel |
| 1x | allen wrench | | |

Requirements

To safely build your DOME, you will need the following tools:



Protective work gloves



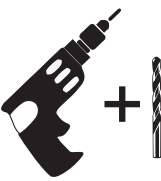
Stable ladder



Allen wrench



2 strong people to help you carry



Drill
bore diameter 8mm

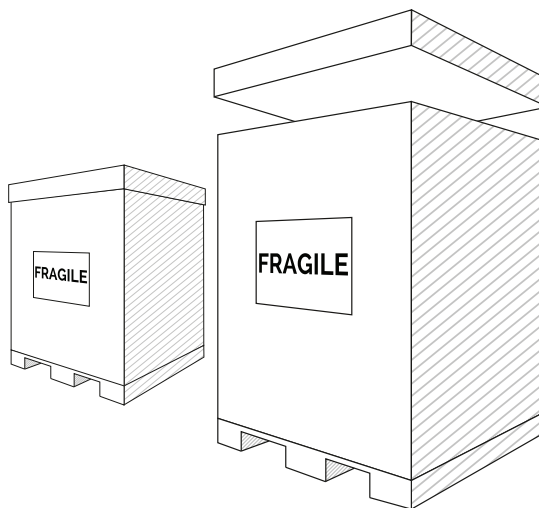


Philips-head
screwdriver

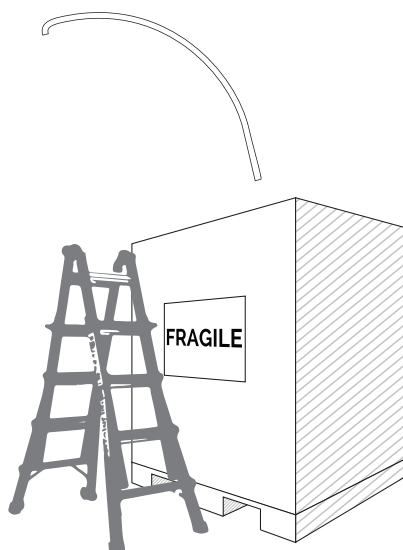
STEP 1a

Open your box with care.

(Keep it until after Step 2)

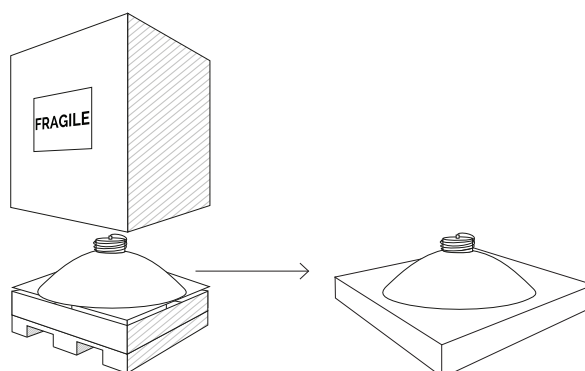
**STEP 1b**

Use a ladder to take out the curved tube.

**STEP 2**

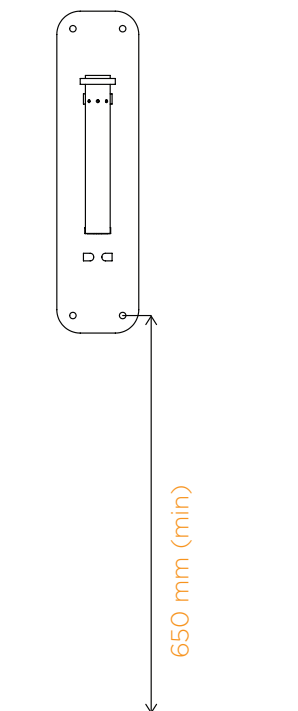
Lift the box and set aside. Place the DOME on the top section of the box and set aside for now.

NOTE: Do not carry the DOME by holding the cable.



STEP 3a

The bottom holes should be at least 650mm from the ground. This way your DOME will hang at 1.80 m.

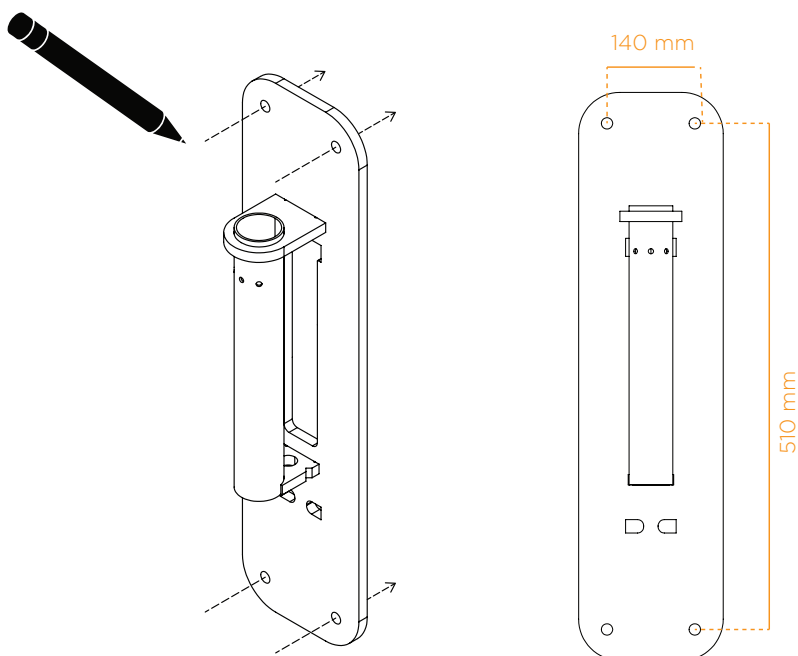


STEP 3b

Use the bracket and a pencil to mark the where the brackets will be mounted.

Four universal anchor screws are included (bore diameter 8 mm)

Note: We have provided anchors screws and screws. If the supplied hardware is not suitable for your surface, please contact your local hardware supplier.

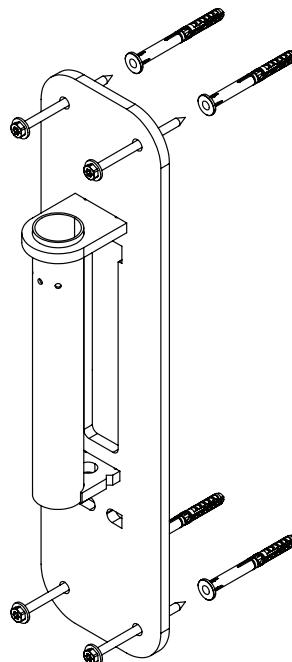


STEP 4a

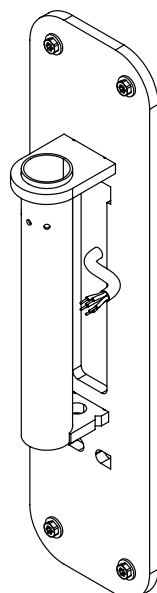
Using the drill, make four holes in the locations marked in step 3.

Install the screws anchor in the intended holes. Gentle tapping with a hammer may be needed to fully seat the screws anchors. When properly installed, the anchors will be flush to the mounting surface.

If the supplied hardware is not suitable for your surface, please contact your local hardware supplier.

**STEP 4b**

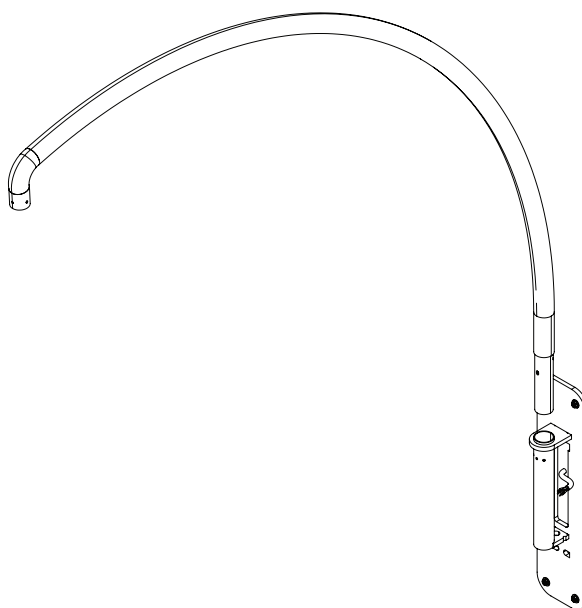
Using the four universal screws or other hardware appropriate for mounting surface, install the mounting bracket as shown.



STEP 5

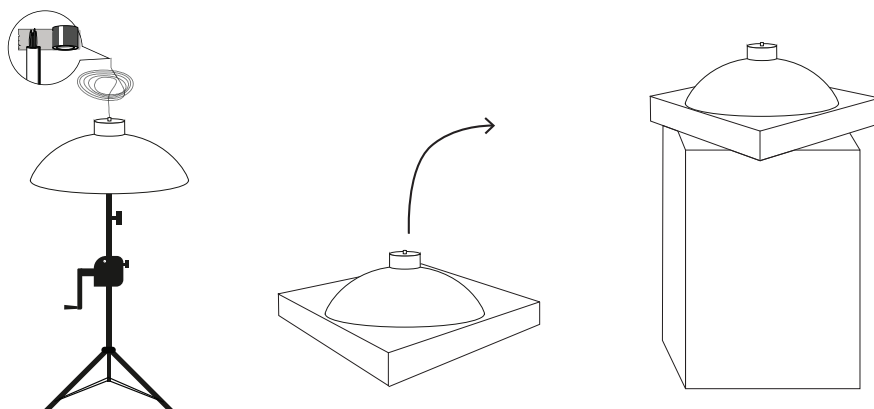
Insert the curved tube to the bracket.

NOTE: Do not tighten the screw at this time.

**STEP 6**

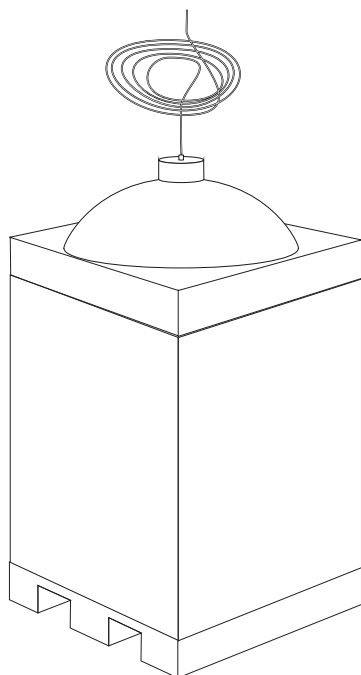
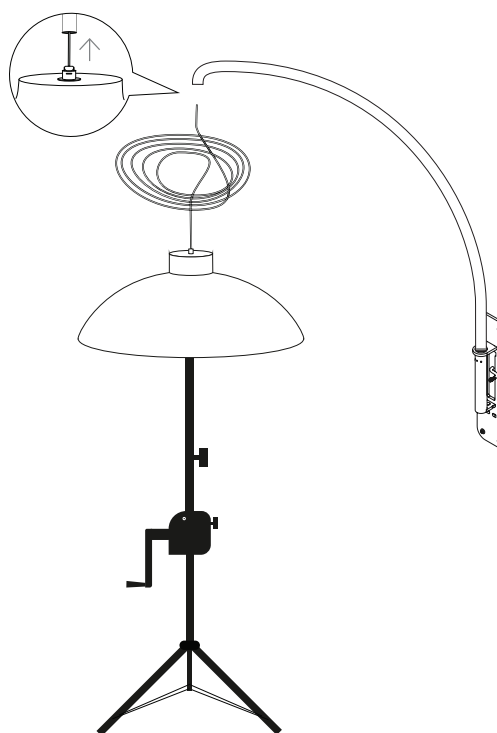
Using a mechanical lift, two strong friends, or the shipping box (as shown below) to lift the DOME hood in preparation for following steps.

TIP: Use a piece of tape to hold the exposed wires at the end of the power cable together. This will ease its path into and through the tube.



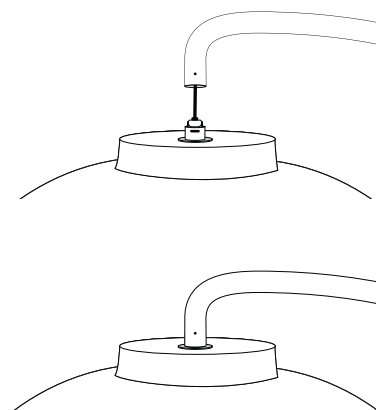
STEP 7

Insert the cable into the curved tube. Keep pushing until you can reach it at the bottom of the bracket.

**OR****STEP 8**

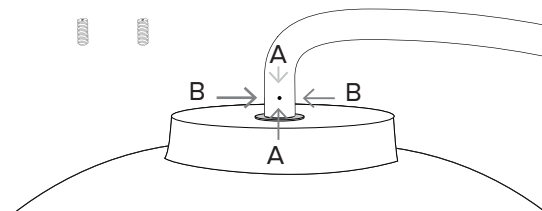
Rotate the arc of the pole directly above the DOME. Insert and push the power cable through the pole as you lift the DOME to meet the mounting bracket to the pole.

(shown at right)



STEP 9a

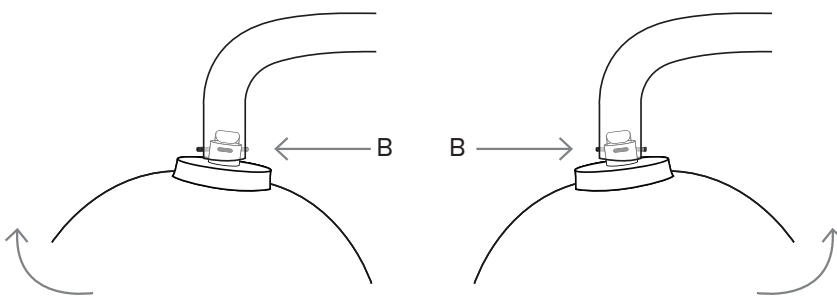
Identify the holes in the mounting bracket and make sure they match with the holes (A) shown at right. Secure the DOME using two M6 set screws.



NOTE: DO NOT tighten them fully, they have to stick out 2mm.

STEP 9b

Secure two set screws in the holes (B) to adjust the lift and level of the DOME to make it parallel to the ground by backing the set screws in or out. Tighten them fully.

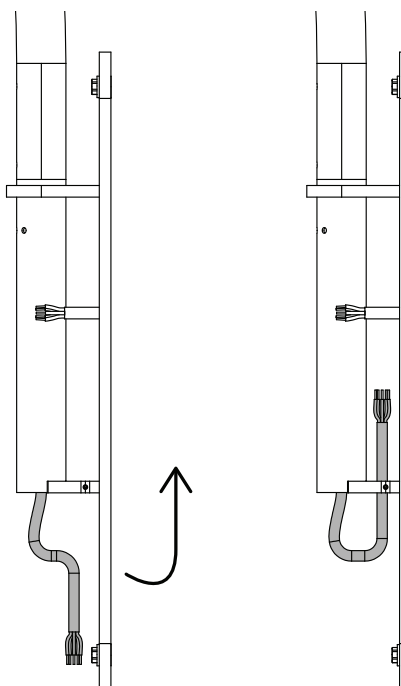


STEP 10

If your power supply comes through the back of the bracket, feed the cable (from the DOME) through the bracket back up to the top.

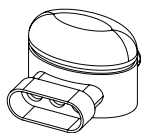
You can of course also make these connections elsewhere in a waterproof junction box (not included).

Provide a strain relief where necessary!



STEP 11

To facilitate installation, you will find 5 waterproof connectors to make the following connections to your incoming power supply. See wiring diagram on page 42.

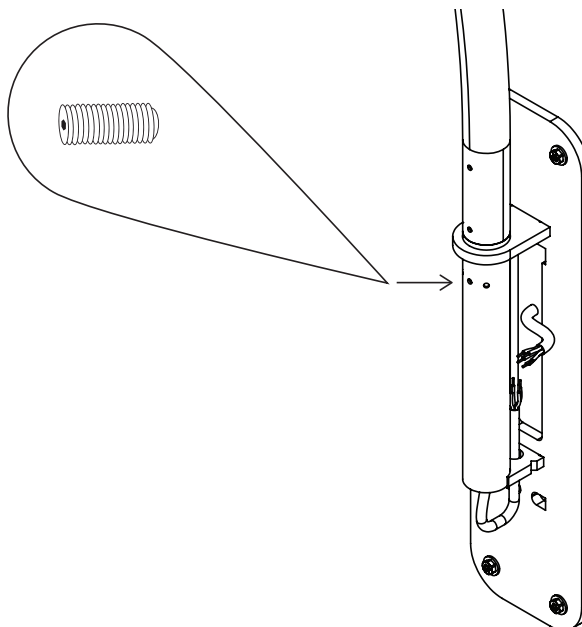


1. BLACK: L3	HEATING 1	
2. GREY: L2	HEATING 2	
3. BROWN: L1	LIGHTING	
4. BLUE: N	NEUTER	
5. GREEN/YELLOW	GROUND	

STEP 12

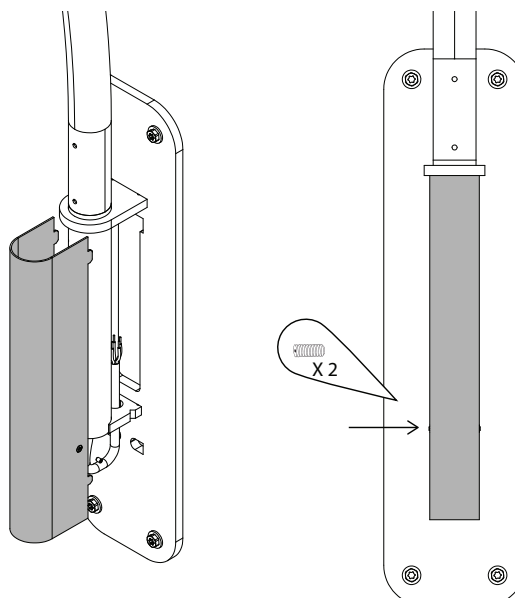
Secure the curved tube and the bracket with the supplied M6 set screw.

The DOME can be rotated by 45° if stability allows.



STEP 13

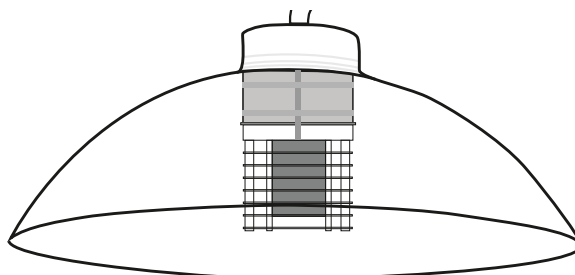
Slide the cover over the bracket and fix into place using the M4 set screws.



STEP 14

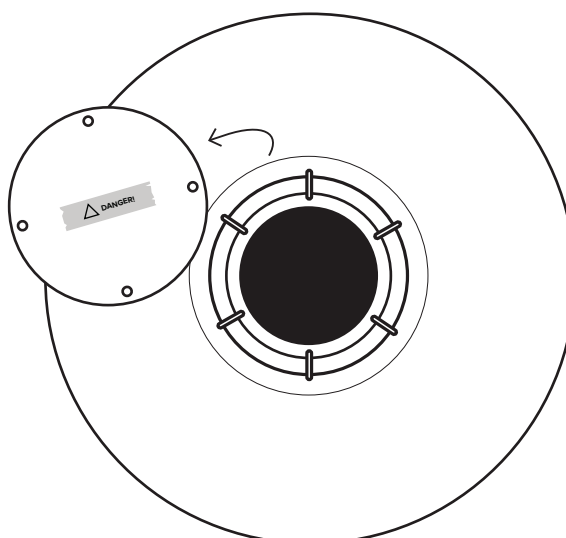
Cut away the three elastic bands and remove them entirely.

NOTE: Two of them are found behind the glass. Carefully lift up the glass to expose the bands.



STEP 15

Look up and identify the protective plate, remove by cutting the three zip ties. Ensure that all decals on the bottom of the plate and heating element are removed, if present.



Enjoy your brand new DOME.

7. Troubleshooting

The electrical supply must be disconnected via the installation's main breaker before any work can be carried out.

The light does not work

Switch off power. Lift the glass of the the DOME upwards. Insert a rigid item (like a screwdriver) underneath the glass to keep it up. You can now access the halogen bulb. Verify it is well-seated and not broken. If you need to replace the bulb, replace it with a standard R7S 78mm, 230V/120W bulb.

Note: Always use a cloth or gloves to replace the bulb, touching it with bare hands shortens the life considerably.

If this does not resolve your issue, verify that the blue and brown wires are properly inserted into the connection block. Refer to Step 11.

No heat

Check if the DOME is switched on.

Verify that the all wires are properly inserted into the connection block. Refer to Step 11.

Only some elements are heating

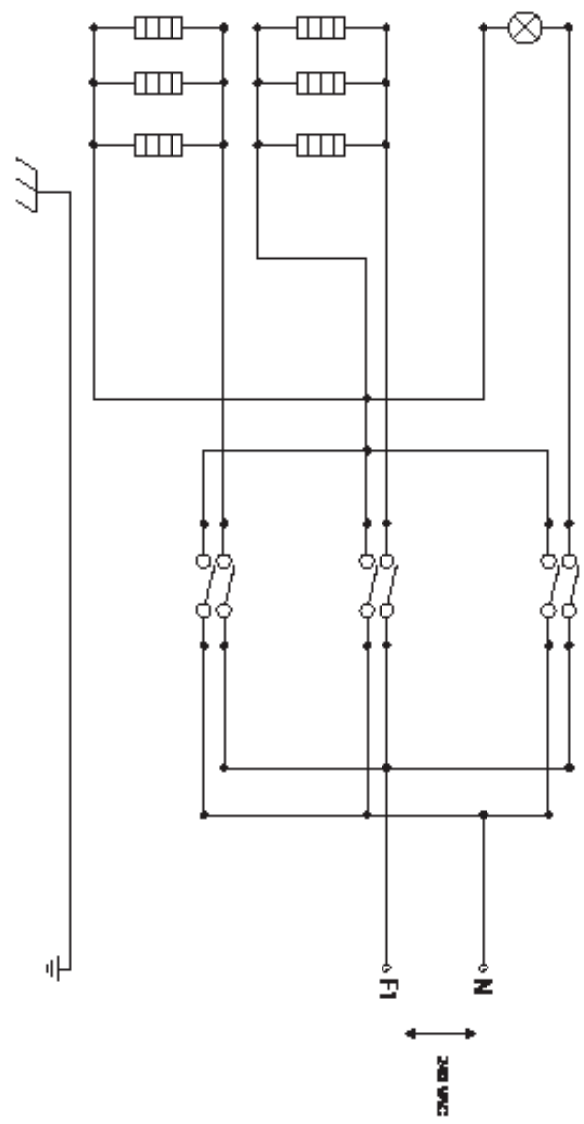
If elements are not working (See Step 11) and verify that the black and gray wires are securely connected in the proper terminals.






Nothing works

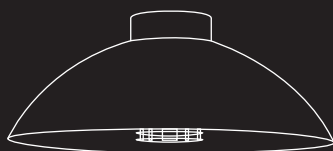
Verify that the all wires are properly inserted into the connection block. Refer to Step 11.

Verify that the circuit breaker switch is not tripped/is turned on.

8. Wiring diagram



	LAMP 120 W 230V
	DOUBLE POLE SWITCH
	HEATING ELEMENT
	GROUND
	GROUND CONNECTION



DOMÉ® BOW BRACKET TIMELESS LIGHTING
WITH HEATING FOR YOUR GARDEN OR TERRACE



RUSTPROOF &
WEATHERPROOF



LOW ENERGY USAGE
ZERO CO2 EMISSION



MINIMUM OF
MAINTENANCE



HEATSAIL

EXTEND YOUR GREAT MOMENTS

Corporate Headquarters

HEATSAIL NV

Prins Boudewijnlaan 7 Unit A 08
2550 Kontich
Belgium

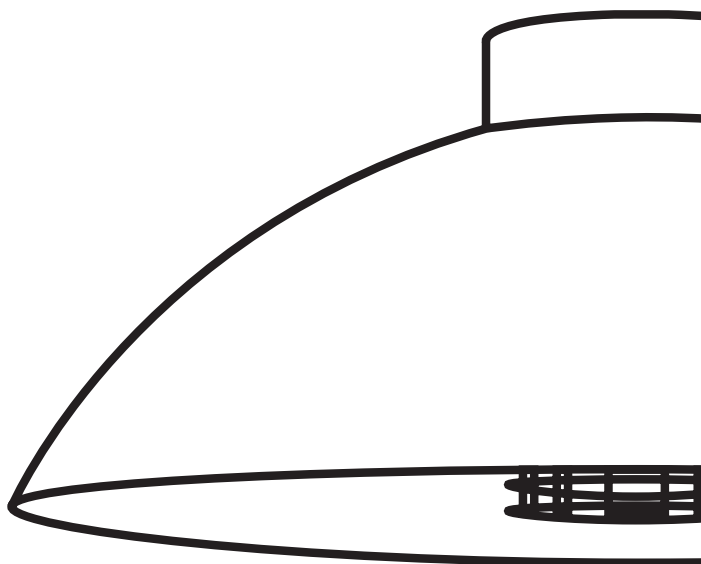
+32 3 502 99 88
sales@heatsail.com
www.heatsail.com

U.S. Office

HEATSAIL NV

10440 N Central Expressway, Suite 800
Dallas, Texas 75231
United States

+1 214 808 5091
UCM@heatsail.com
www.heatsail.com/usa



SERIAL NUMBER