MARTEC®

BATHROOM HEATER LINEAR MINI
HALOGEN HEAT / LED LIGHT/ FAN 3 IN 1

Dear customers,
Thank you for selecting a Martec Linear Mini Bathroom Heater Linear 3 in 1. Please read all instructions before commencing installation.
IMPORTANT: This unit must be installed to comply with the appropriate council regulations and the Australia and New Zealand wiring rules AS/NZS3000:2000 or lastest edition thereof.
The main supply and interconnecting cables required for installation of this unit are not included.

WARNING - INSTALLATION ONLY TO BE BY QUALIFIED PERSONS

1. Use this heater only as described in this manual. The manufacturer does not recommend any other use as this may cause fire, electric shock, or injury to persons. If you have questions, contact the manufacturer or local agent.
2. All wiring must be carried out by a Licensed Electrician in accordance with all applicable codes and standards.
3. Make sure the power is off before commencing installation.
4. When cutting into the ceiling or wall, do not damage electrical wiring and other hidden utilities.
5.The heater must be properly earthed/grounded.
6.The heat lamp and glass shield are hot when in use. Do not touch the heat lamp and glass shield with any part of your body when in use.
7. For the purpose of avoiding any dangerous gas leaking into your bathroom, the vent duct of the heater must not be laid together with the vent duct of air-fueled water heater or other open-fire appliances into the same flue.
8. The disconnection may be achieved by having the plug accessible or by incorporating a switch in the fixed wiring in accordance with the wiring rules. The heater must be isolated from the power by means of a plug or all-pole disconnection switch with a contact separation of at least 3mm in each pole.
9. The power cable must withstand a minimum 10A load.
10. The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
11. Children should be supervised to ensure that they do not play with the appliance.
12. The heater is to be installed so that switches and other controls cannot be touched by a person in the bath or shower.
13. The appliance shall, under no circumstances, be covered with insulating material or similar material.
14. Regulations concerning the discharge of air have to be fulfilled.
15. Joists, beams and rafters shall not be cut or notched to install the appliance.

IMPORTANT CONSIDERATIONS BEFORE INSTALLING

A few minutes of planning can make a big difference to the installation time and also to your satisfaction with the function of the unit.

1. The unit should not be installed directly above a shower or bathtub. The unit must not be installed in a position where water may splash onto the unit.
2. The unit must not be installed beneath a fixed socket or power outlet.
3. The unit is designed for installation in flat ceilings only. Do not mount it on a sloping ceiling or a vertical wall.
4. The heat lamp is most effective when you are standing directly beneath it, so generally the unit would be mounted a place where you would stand to dry yourself.
5. For the exhaust fan to work efficiently, replacement air of a volume equivalent to what is being extracted must be able to enter the room. Generally, this air would be drawn under the door, or through a slightly open window. If the room is airtight, the fan will function poorly.
6. Before commencing any cutting, check in the ceiling space that there are no obstructions such as ceiling joists and that there is sufficient height clearance for the housing. Check that the electrical wiring can be routed from the wall switches to the mounting location.

INSTALLATION

1. Cutting a vent

Locate a vent position (above the ceiling) on the wall, and then cut a 125mm diameter hole at this very position.

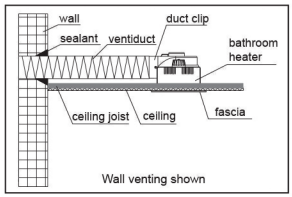
2. Ducting

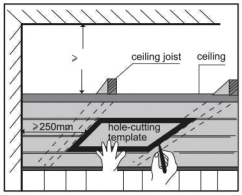
Put one end of the 120mm diameter duct into the vent hole and seal space around the hole using a suitable sealant and cowling where necessary. A 120mm diameter egg-crate grille is included in the package, if necessary, you can choose to install it on the outside wall.

Note: Since the length of each duct is 3.0m, make sure that from the centre of installation position there should be a distance within 3.0m to the outside vent.

3. Suitable location

For the purpose of obtaining the best heating results, the heater should be no more than 2.3m from the ground after the heater is well fixed.





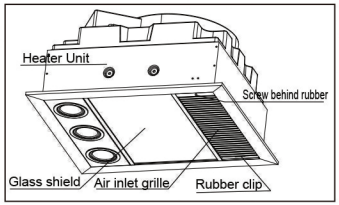
4. Prepare the ceiling

Select the mounting position for the unit. Before commencing any cutting, check in the ceiling space that there are no obstructions such as joists, and that there is sufficient height clearance for the housing.
Cut around the attached hole-cutting template and use this template to mark the hole outline on the ceiling. Make sure a distance between the edges and wall is no less than 250mm. Also from the rooftop should be a minimum 245mm height to the ceiling.

5. Remove the fascia

Remove 2 silicon clips at the end of the rectangle air inlet grilles. Remove the screws hidden inside. Remove the fascia.

Note: Hold the fascia carefully with hand while removing the screws so that the fascia doesn't fall to ground.



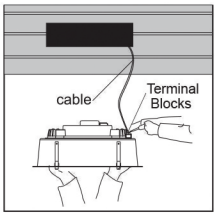
6. Remove the lamps

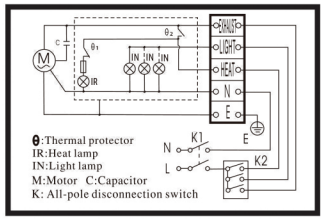
1) Remove the 3 LED lamps from the heater unit and keep them in a safe place.
2) Remove the halogen heat lamp from the heater unit and keep it in a safe place, do not touch this lamp with your bare skin as this will shorten the lamp life, use a cloth or glove when handling the heat lamp.

Note: Only handle a new heat lamp with soft, dry, clean, lint-free cloth or paper. You can wear gloves, cover your fingers or wrap the heat lamp until it is installed (so long as you remove all cloth or paper when finished).

Connect one end of the interconnecting wire with the switch panel, and then drag the other end power cable out of the hole on the ceiling. Open the terminal block cover on the housing and make connection as the wiring diagram instructs, then reposition the terminal block cover. Tuck the redundant wire into the ceiling so as to leave the housing enough room to fix in.

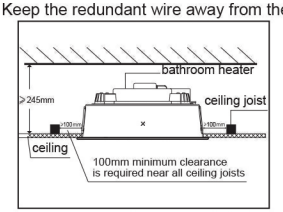
Note: Ensure that the power is turned off before carrying out any work on electrical installations.

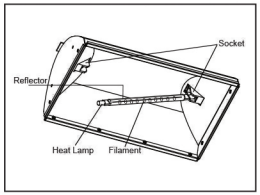




8. Fit the in-house end of the duct to the fan outlet, and fix the end with duct clip.
A backdraft stopper is included in the package, fit the stopper to the fan outlet and fix it with one duct clip. Fit the in-house end of the duct to the stopper, and fix the end with the other duct clip.
Note: Keep the route as straight as possible for maximum efficiency.

9. Position the housing into the hole
Choose an optimal direction to put the housing into the hole in accordance with the position of the fan outlet. Use screws to fix the unit onto wooden bars or joists (not supplied). Ensure that the unit is held securely on all 4 sides. You may have to add battens on 2 sides in between joists or even build a frame to secure it properly into the ceiling with battens.
Note: Keep the redundant wire away from the housing.





10. Final installation
1) Install the heat lamp.
The heat lamp is half coated with a white reflector. When you grasp the heat lamp, face the back of the reflector to the ceiling so you can see the heat lamp's filament. Not doing this will reduce performance. Fit one end of the heat lamp into socket and gently push it away from the other socket. When there is enough room, fit the other end of the heat lamp into its socket.
Note: Natural skin oil and salts damage new halogen lamps and shorten their life. Only handle a new heat lamp with soft, dry, clean, lint-free cloth or paper. You can wear gloves, cover your fingers or wrap the heat lamp until it is installed (so long as you remove all cloth or paper when finished).
2) Reinsert the LED lamps.
3) Check the glass shield.
The glass shield reduces glare. Check the glass shield to make sure that it is not damaged and is well fixed on the fascia by the screws.
Note: A little movement of the glass won't cause any problem to the use.
4) Replace the fascia.
Replace the fascia to the unit and fix the fascia by screws. Use 2 silicon clips to cover the screws.
5) Fix the switch panel to the wall.
Note: The switch wiring should be mounted inside the wall to give the switch an integrated built in appearance. If it is necessary to run the wiring on the outside of the wall, use a suitable conduit and fixings to properly located and hold the wiring used.

For the exhaust fan to work efficiently, replacement air of a volume equivalent to what is being extracted must be able to enter the room. In general this air would be drawn from under the door, or through a slightly opened window. If the room is air-tight, the fan will function poorly.

USE
Our bathroom heater uses the halogen heating lamp (re-order code MRL1000W) as a source of heat. It also combines the functions of exhaust and light.

1. Heat
'HEAT' switch On/Off
Note: Do not touch the halogen heating lamp and the glass shield with any part of your body when in use.

2. Exhaust
'FAN' switch On/Off
This unit can exhaust odours and steam in a quick and efficient way by turning on the "FAN" switch.

3. Lighting
'Light' switch On/Off
Note: Do not switch on/off frequently when in use. Shut off the power if in long periods of inactivity.

PLEASE NOTE:
The Martec Linear has a Triple Thermal Protection System: The Linear is equipped with a 90 degree resettable thermal switch to activate the exhaust fan, a 100 degree resettable thermal switch to cut off the power supply to the halogen heater, and a 121 degree thermal fuse to cut off the power supply to the halogen heater. If this fuse has blown, you will need to determine why the unit has over heated (insulation etc...) and replace the fuse inside the unit.

MAINTENANCE

1. Clean
1) Shut off the power before cleaning.
2) Wipe the glass shield and fascia with care using a soft cloth soaked with a neutral detergent. Check the glass shield is not loose from the slots regularly.
Note: Ensure the lamps are cool enough to touch before handling.

2. Lamp Replacement
1) Check the heat lamp regularly.
2) Shut off power before replacement.
3) Use ONLY Martec 9W GU10 LED Lamp MBGU3060 for lighting.
4) Use ONLY Martec MRL1000W heat lamp for heating.
Note: It may affect operation (even cause danger) when lamps, other than the designated ones, are used.

WARRANTY
The unit is warranted against defects in manufacturing and workmanship for a period of 3 years. The warranty does not extend to lamp globes supplied or installation of the unit or any associated wiring or any damage caused by installation or wiring.
The installation must be conducted by a licensed electrician and a suitable certificate of safety is to be issued by the electrician who installed the unit. Warranty claims will be voided unless a certificate of safety can be produced when required, prior to service or repair.
This warranty does not cover damages or loss caused by:
1) Heat or light lamps.
2) Any consequential losses arising from incorrect installation or operation or maintenance of this product.
3) Any consequential losses arising from incorrect wiring of this product.
4) Any modifications or changes made to the unit, other than those recommended by the Manufacturer.

ACCC Required Statement
Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to Martec replacing the product in home with parts and labour for a major failure. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. Martec offers an in home warranty that includes parts and labour so the end consumer is not out of pocket.

MAIN TECHNICAL PARAMETERS

Model Number	MBHL1000W / MBHL1000S
Rated Voltage	230V-240V
Rated Frequency	50Hz
Rated Power	990W-1080W

LIST OF ACCESSORIES

Operation unit	1 piece
Halogen heat lamp (MRL1000W)	1 piece
GU10 LED lamp (MBGU3060)	3 pieces
Installation instruction & hole-cutting template	1 piece
Warranty card	1 piece
Ducting kit	1 set
Backdraft stopper	1 set
Duct clip	3 pieces
Switch	1 piece

Fill out the following details and file with the purchase invoice for warranty service.

MODEL NO.: _____

Purchased from: _____

Date of purchase: _____

MARTEC®
MARTEC Pty Ltd
ABN: 82 599 302 308

We reserve the rights to revise this instruction without any prior notice.

Read and save these instructions!

Please use this card as hole cutting template 350mm x 305mm.