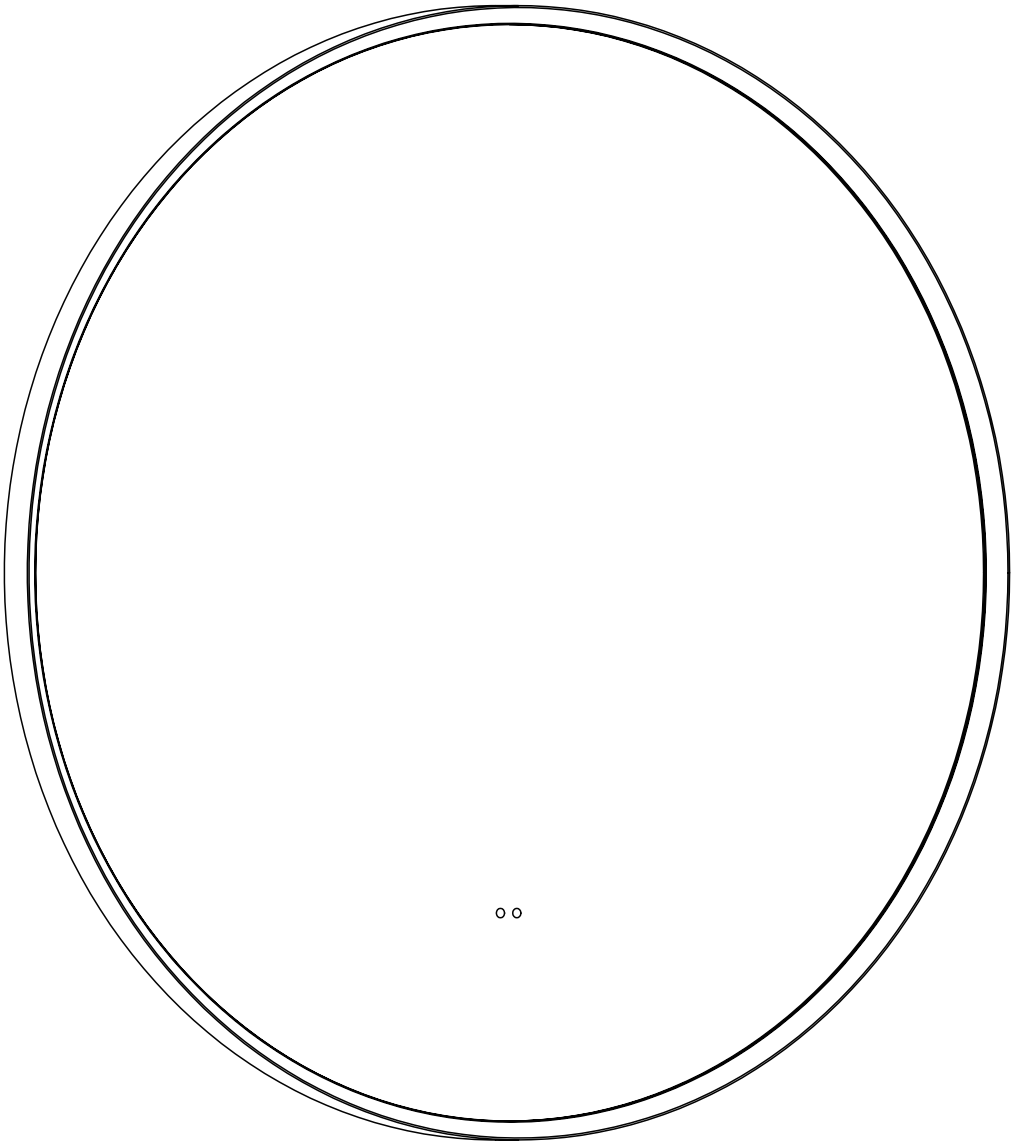
LED SMART MIRROR

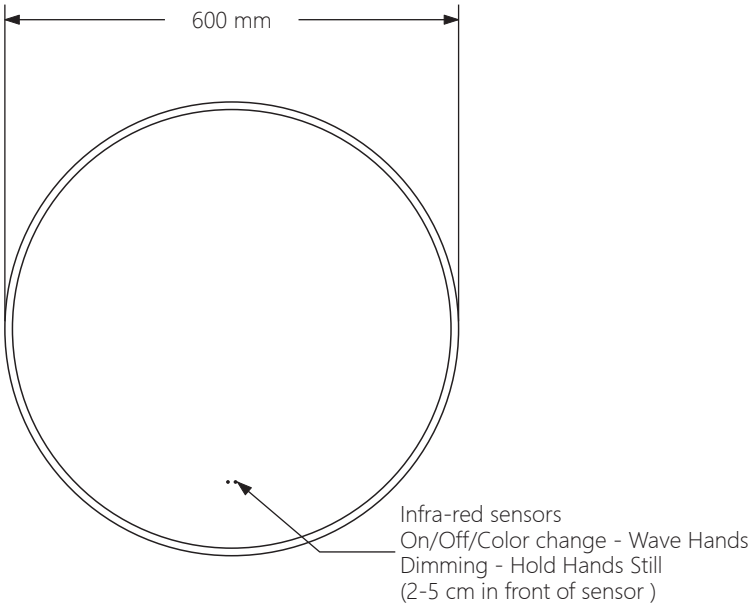
Macie

INSTRUCTION MANUAL

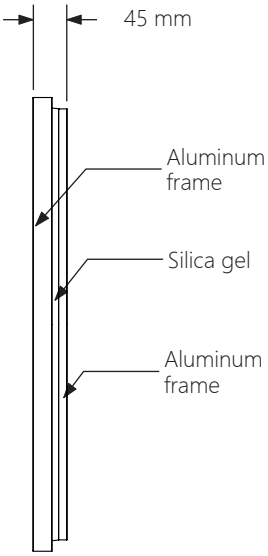


Please Note:This specification applies to Infra-red sensors LED mirrors

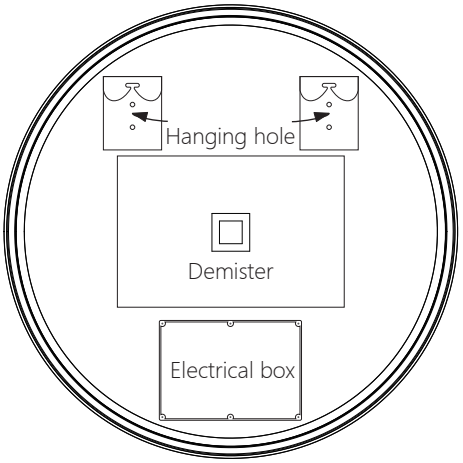
Technical Details



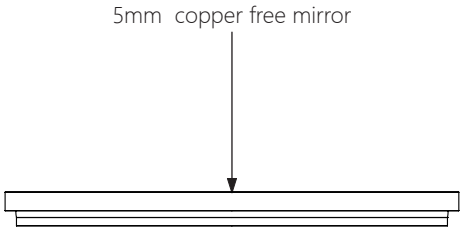
Front view



Side view



Back view



Bottom view

Functions

Heated De-mister Pad

This mirror comes with a demister pad,which heats the surface of the mirror above room temperature removing the mist on surface .

IR Sensor

The IR sensor switch can be used to to perform multiple functions:

Wave hands in front of sensor to change led color or turn lights on/off. The Demister is also controlled (turns On/Off) along with lights.

When the lights are on,placing hands in-front of sensor can change brightness of light

Technical Details

Electrical Safety Information

We recommend that all electrical bathroom products should only be fitted by a qualified -Part P registered electrician in accordance with the current IEE Regulations.

Please ensure the Mains supply is switched off before attempting installation. Before drilling ensure there are no hidden cables or pipes in the wall.

Installation Information

We recommend that you receive the product before commencing with installation as all sizes and measurements are approximate.

We try to ensure all measurements are as accurate as possible.

In the interest of continued product development, we reserve the right to alter specifications as necessary.E & OE.

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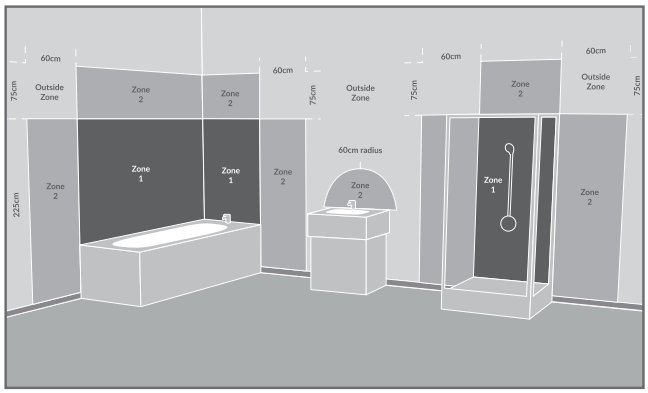
Safety & Installation Notes



Thankyou for purchasing this Product
Please read these instructions thoroughly and refer back to them during installation to ensure product safety.

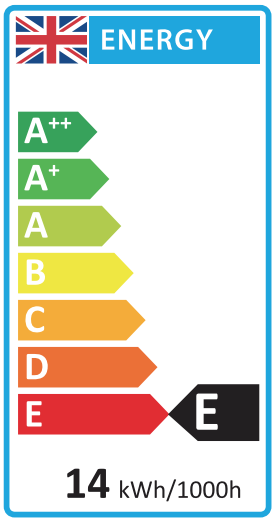
Retain this leaflet for future reference
Before installation ,ensure the domestic electrical mains supply is switched off.Before drilling ,ensure there are no hidden cables or pipes in the wall.

These products are suitable for installation in zones: 2 & Outside Zone
All installations must comply with guidelines which are based on a zonal concept.The diagram above illustrates this concept and must be followed to ensure the safe installation of Electrical appliances in the bathroom .These regulations apply to domestic installations only. Installations must be made in accordance with the current IEE wiring regulations and relevant building regulations.We recommend that all electrical bathroom products should only be fitted by a suitably qualified, Part P registered electrician.

Installation

1. Position the Mirror in a suitable location according to the Zonal diagram above ensuring that the domestic electrical mains supply is within reach of the electrical entry point of the product.
2. Carefully mark the position of the mirror using a soft pencil ensuring its level. Remove the mirror and mark the mounting points, Please ensure that all the mounting points accurately match up with the fixing points on the mirror .
3. Using a suitable drill bit, drill holes in the marked positions to suitable depth.If drilling through tile, use a ceramic drill bit.
4. Insert wall plugs level with the surface of the wall, If fitting to a tiled surface. wall plugs should be inserted below the tiled surface to avoid cracking. For plasterboard walls, special fixings should be purchased, available from any DIY or hardware store.
5. Ensure the domestic electrical mains supply to which the mirrors being connected is turned off. Connect the domestic mains supply to terminal box according to the wiring diagram.
6. Hang the mirror in portrait/landscape position.
7. Switch on the domestic electrical mains supply for the mirror.

Operating Instructions
To turn on the light or change color, wave your hands in front of IR sensor. To change brightness ,hold hand in-front of sensor. The Heated Pad is only ON when the mirror is illuminated.



Care Instructions
Do not use abrasives or solvents when cleaning this product.Wipe off all water spillages as soon as possible using a soft, damp cloth.

Aftercare Service
In the unlikely event that this product should fail ,please contact our customer service

Installation Instructions

General Information

This product conforms to U.K. safety standards and must be installed in accordance with the current IEE Wiring and Building regulations(Part P).
This product must be earthed and should not be connected to an unearthed circuit.If there are only two wires coming from your power supply it means that this fitting can be wired to an unearthed circuit.
Ensure that connections are turned off at the consumer unit or fuse board before installing or carrying out any maintenance.
This product is for indoor use only.
This product is IP44 rated and can be installed in bathroom zone 2(Defined by the IEE wiring regulations) and beyond.
This product contains a light source of energy efficiency class 'E'

Important

When working at heights, please use a suitable platform to work from.

Please Note:

For the new installations, check for any electrical cables or pipe work(gas/water) in the vicinity of the intended mounting point before proceeding with the installation.
Ensure that the fixing location is able to take the weight of the complete fitting.
Wear suitable eye protection when drilling.
Be careful when using power tools near water.
Do not strike the mirror glass with hard or pointed items.It is recommended that the product is cleaned with a soft and non abrasive cleaning cloth.
Donot use abrasive materials on any type of finished surface .
Do not allow moisture to come in contact with the working electrical components.

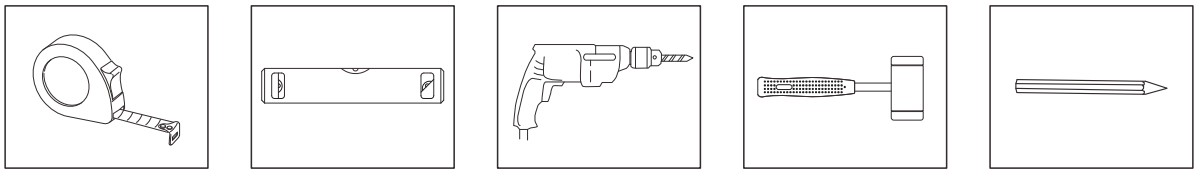
Compliance

This product complies with CE & UKCA standards.

Installation Procedure

Notes: To ensure the normal use of products, it is required you set out wires as per the regulations of IEE at the installation places. The Products are only applicable to being installed on the indoor solid wall.The installation must be carried out by a professional electrician and wrong installation may lead to product damage and personal injury.

Installation Tools



Flexible rule Spirit level Drill Hammer Pencil

1. Make certain the wall is solid, and use the flexible rule to measure the distance between two hardy holes on the mirror frame ("a" in Fig. 1).
2. Use the flexible rule to measure the distance a on the wall and mark them out with a pencil.
3. Choose a drill with an appropriate drill bit to make two holes at the marked places, and use a special ceramic drill if the wall surface is made of ceramic tiles.
4. Use the hammer to strike an expansion rubber plug into the holes on the wall, and then screw the hook into the hole (Fig. 2).
5. Switch off the power, and then use a terminal block to connect the three-core exposed wires with those reserved on the wall (see details in Fig. 4).
6. Hang the product on a wall hook (Fig. 3).
7. Finally switch on the power, and then wave hands below sensor to test the product.

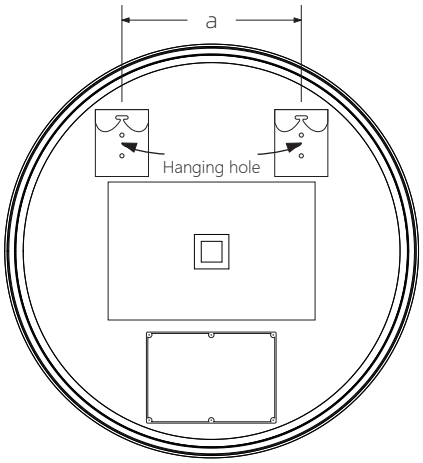


Fig. 1

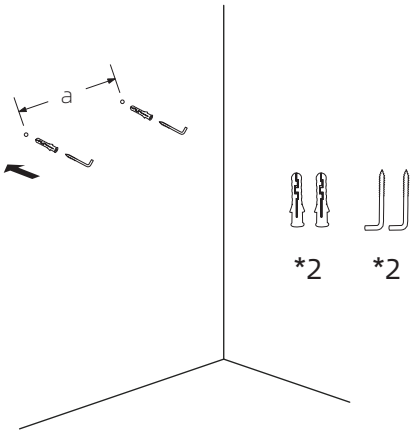


Fig. 2

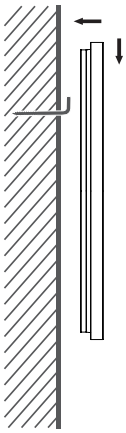
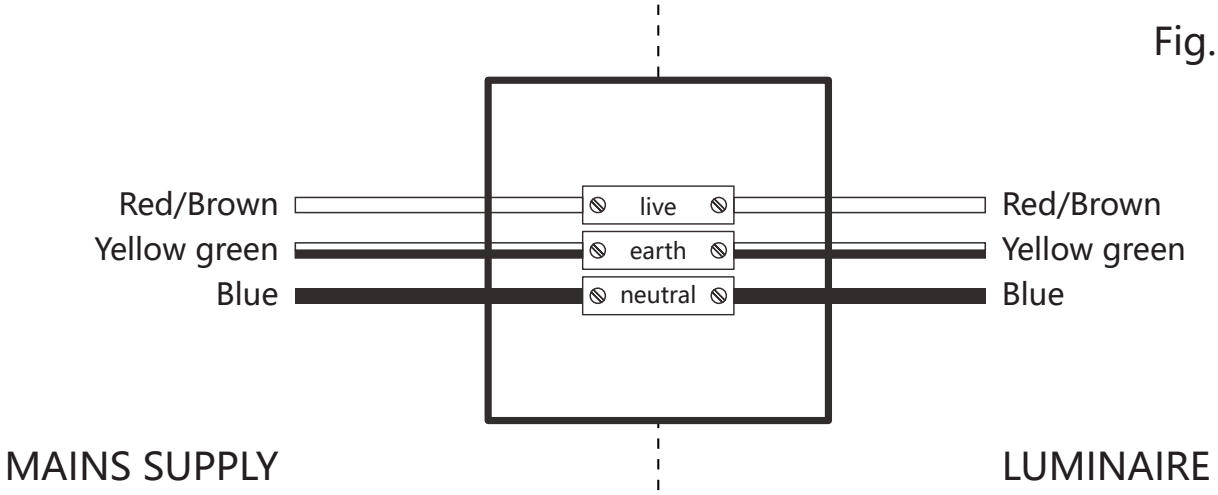


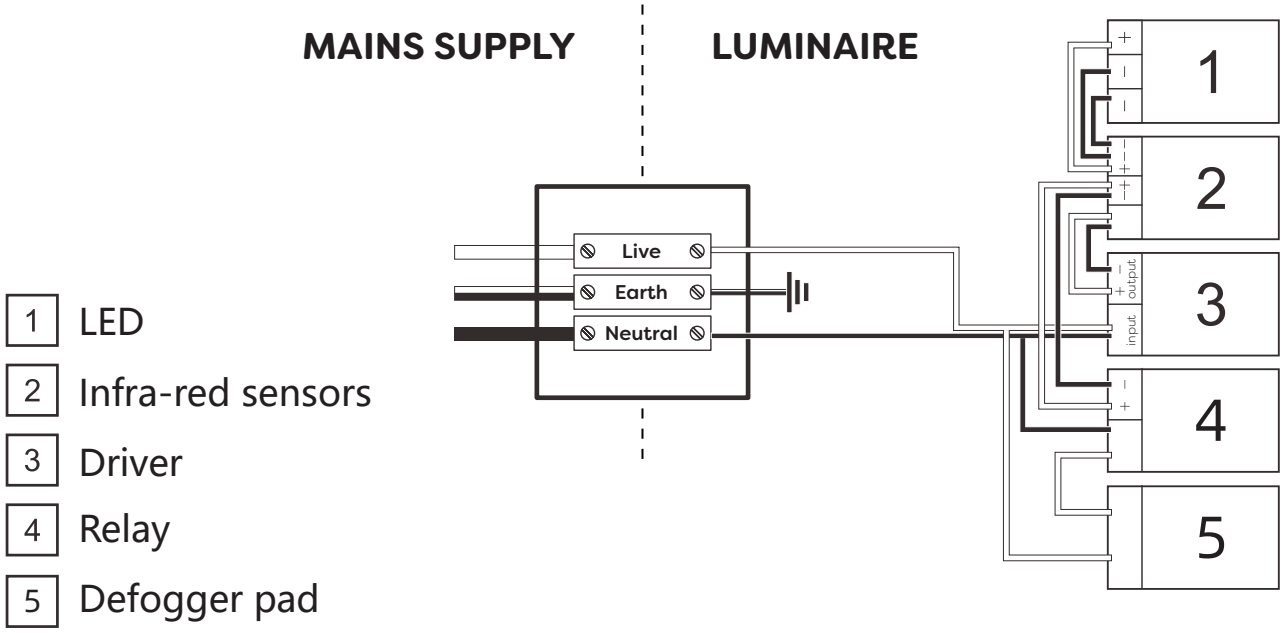
Fig. 3

Wiring Diagram for Input

Fig. 4

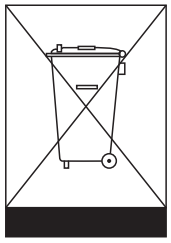


Schematic Diagram



1 LED
2 Infra-red sensors
3 Driver
4 Relay
5 Defogger pad

Fig. 5



Waste Electrical & Electronic Equipment Regulations (WEEE) requires that any of our products showing this mark (left) must not be disposed off with other household or commercial waste. We do not levy any WEEE disposal charges to its customers for affected WEEE related products. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate any such product from other waste types and recycle it responsibly at your local facilities. Check with your Local Authority, Recycling Center or retailer for recycling advice.

LED Mirror FAQ's

Mirror Weight (kg)	4.80kg
Mirror+Box Weight (kg)	6.30kg
Light Source	LED
Light source average span	50K HOURS
Total Rated Wattage (W)	24w
Lumens(Lm)	1900
Kelvins(K)	3000-6000k
Is the mirror Dimmable?	YES
Energy Rating	E
What orientation can the mirror be hung in ?	PORTRAIT
Is the heated pad on when the mirror is illuminated ?	YES
Does the mirror require an earth connection?	YES
Can i bypass the sensor so the mirror comes on with the main room light?	NO
Is it cool white or warm Illumination ?	WARM TO COOL WHITE

Electrical Safety Information

We recommend that all electrical bathroom products should only be fitted by a suitably qualified, Part P registered electrician in accordance with the current IEE regulations. Ensure mains power supply is turned off before starting installations.Before drilling ensure their are no hidden pipes or cables in the wall.

We recommend you receive the product before commencing installation as all the measurements and sizes are approximate.We try to ensure that all measurements are as accurate as possible.In the interest of continuous product development,we reserve the right to alter specification as necessary.E & OE.

Child Safety Notice

Please note that you are 100% legally responsible for your own child's safety at home. Once installed, the mirror can become a hazard for children as this mirror is not designed to support unreasonable extra weight. We must stress that you should not allow children to climb/grab/play with the mirror or cabinet, as this can cause accident or injury for the child from failing, or the mirror being pulled off the wall.

Before installing the product, please read carefully the following WARNINGS:

- Special care must be taken if children or vulnerable adults are present;
- Children must be kept away from this appliance unless they are constantly supervised. Children should not play with the appliance. Cleaning and maintenance should not be performed by children.
- Installation should only be completed be a qualified person.
- Brackets kit includes standard wall-plugs suitable for solid walls only! Please use suitable fixings and bracing for non-solid walls.
- To prevent damage to the product, remove packaging carefully.
- To prevent the deterioration of the finish, do not hang humidifiers made of porous or corrosive materials on the mirror.
- Clean the mirror with a damp soft cloth. Never use corrosive or abrasive cleaning agents based on acidic substances.
- The company is not liable for any damage to persons or properties, due to non-compliance with the above.