



CASE STUDY

HOT YOGA STUDIO HEATING WITH INFRARED

Melbourne, Australia

THE INITIAL SITUATION

Yoga is booming in Australia. The owners of HUMMING PUPPY in Melbourne wanted to refurbish their yoga studio to create modern rooms with an extraordinary atmosphere which enhances the well-being of their members. It was important to achieve a constant indoor temperature of 38°C in which the yogis feel relaxed and comfortable.

THE CHALLENGE

A new, modern yoga studio wanted to create the ideal environment for relaxation which encourages the yogis to linger. It was important that the atmosphere within the studio reflected the company's motto, "enter and leave the world outside". The heating system also needed to be environmentally friendly and save energy. The big challenge was to warm up the large room with high ceilings to the desired 38°C for the yoga lessons without creating a draught or cold spots. Any drafts resulting from convection heating or ventilation creates an unpleasant feel on the skin as perspiration evaporates.

THE SOLUTION

LAVA Glass infrared heaters were the ideal heating solution. These are based on the principle of solar radiation which heats objects, walls and people directly. This results in no air circulation which is the cause of draughts. The stored heat in the environment is emitted gradually back into the room creating a pleasant temperature in which to feel comfortable.

By suspending 15 LAVA Glass Infrared panels, the infrared waves focus directly on the yogis. In addition, the LAVA Glass with its elegant design in the black glass version supported the luxurious and somewhat mystical character of Yoga Studios. The result was a stunning example of how form and functionality can work together, serving their special needs perfectly.

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The Finer Details

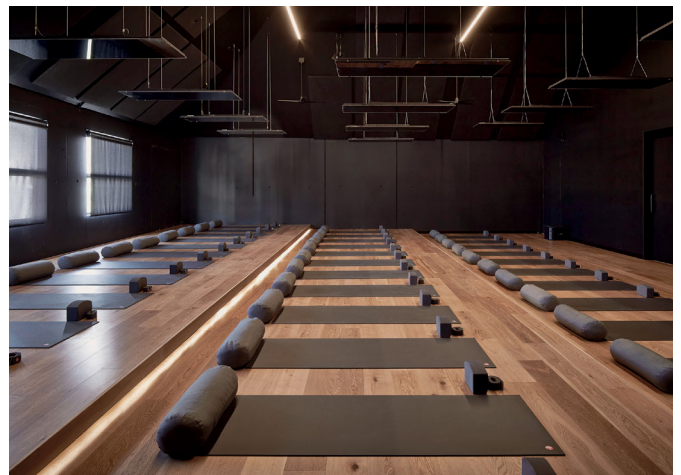
THE INSTALLATION

LAVA Glass - 1000DM infrared heaters are particularly effective at heating individual zones within a larger space and were installed to provide a fast and precise heating system. Due to their modern design, they became an essential component of the Yoga Studio's architecture.

Due to the high ceiling of the Yoga studios, the LAVA Glass DM 1000W panels were suspended 2.5m above the floor to achieve the desired air temperature of 38°C at ground level. The LAVA Glass panels are controlled by a wireless thermostat which simplified the installation process.

The radiated heat from the 15 infrared heaters directly warms the people in the room and creates a pleasant warming sensation - similar to sitting in direct sunlight. This is in contrast to convection heating, where the entire volume of air in the room has to be heated (from top down - as hot air rises).

Heating with LAVA Design Infrared heaters not only saves heating and energy costs, but creates a pleasant healthy indoor climate without disturbing airflow. The LAVA Glass-DM has been designed and developed specifically for mounting directly on the ceiling or suspended from it.



LAVA-GLASS-DM PRODUCT BENEFITS

- + Unique design
- + Pleasant room climate due to infrared radiant heat
- + Pure and healthy air - ideal for allergy sufferers, without drafts
- + Easy installation
- + Security by 6mm ESG safety glass
- + Maintenance and magnetic field free
- + Heat storage up to 1 hour
- + Particularly suitable for the heating of individual zones within large rooms



COMPETENCE AND QUALITY FOR OVER 35 YEARS.



With ETHERMA products you benefit from more than 30 years of innovation and experience in the production of high quality infrared heating systems with modern design. ETHERMA and ARC Thermal Products support you with a professional and comprehensive specification service to ensure you get the most appropriate infrared heating solution for your application.

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