

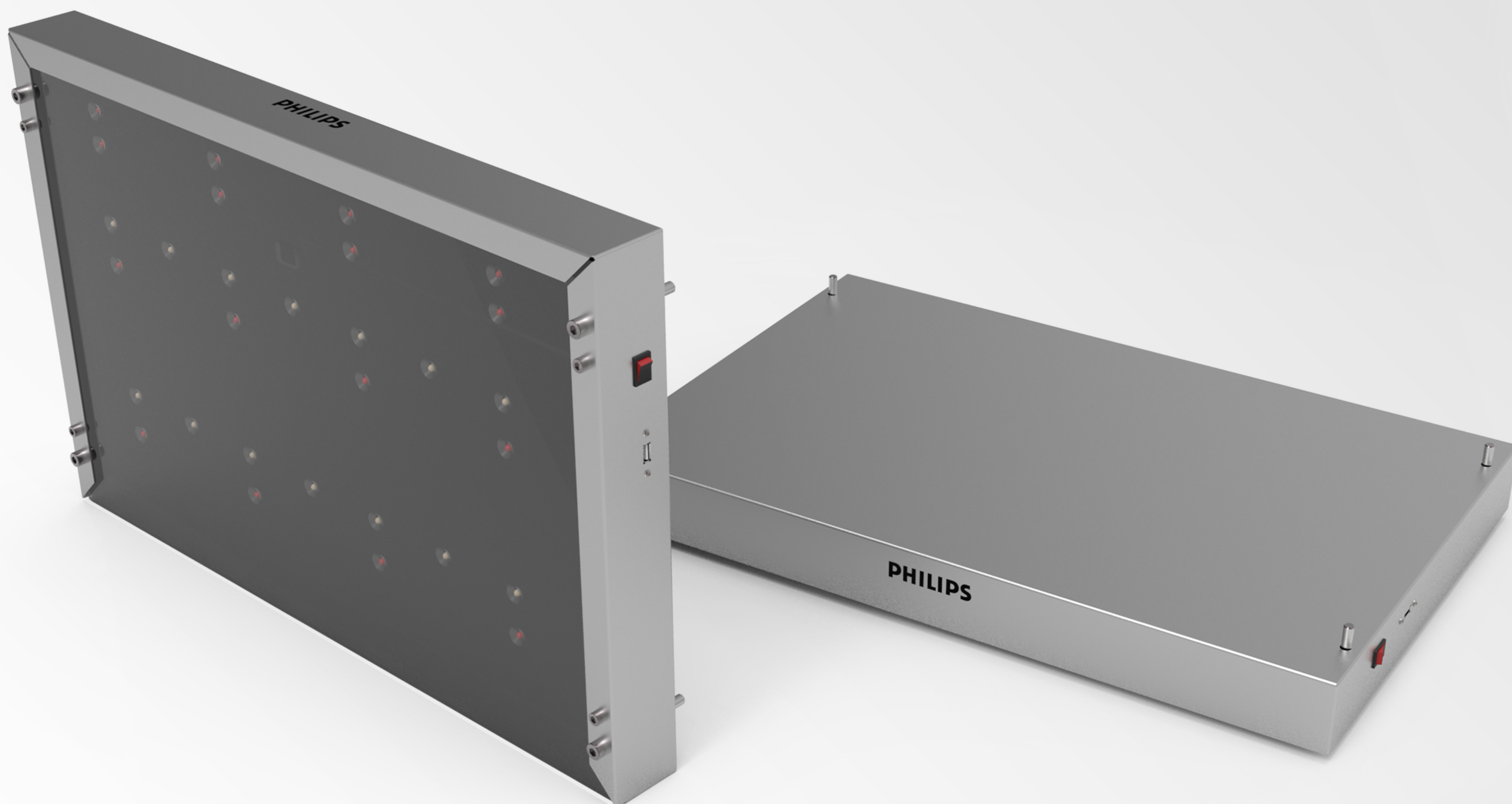
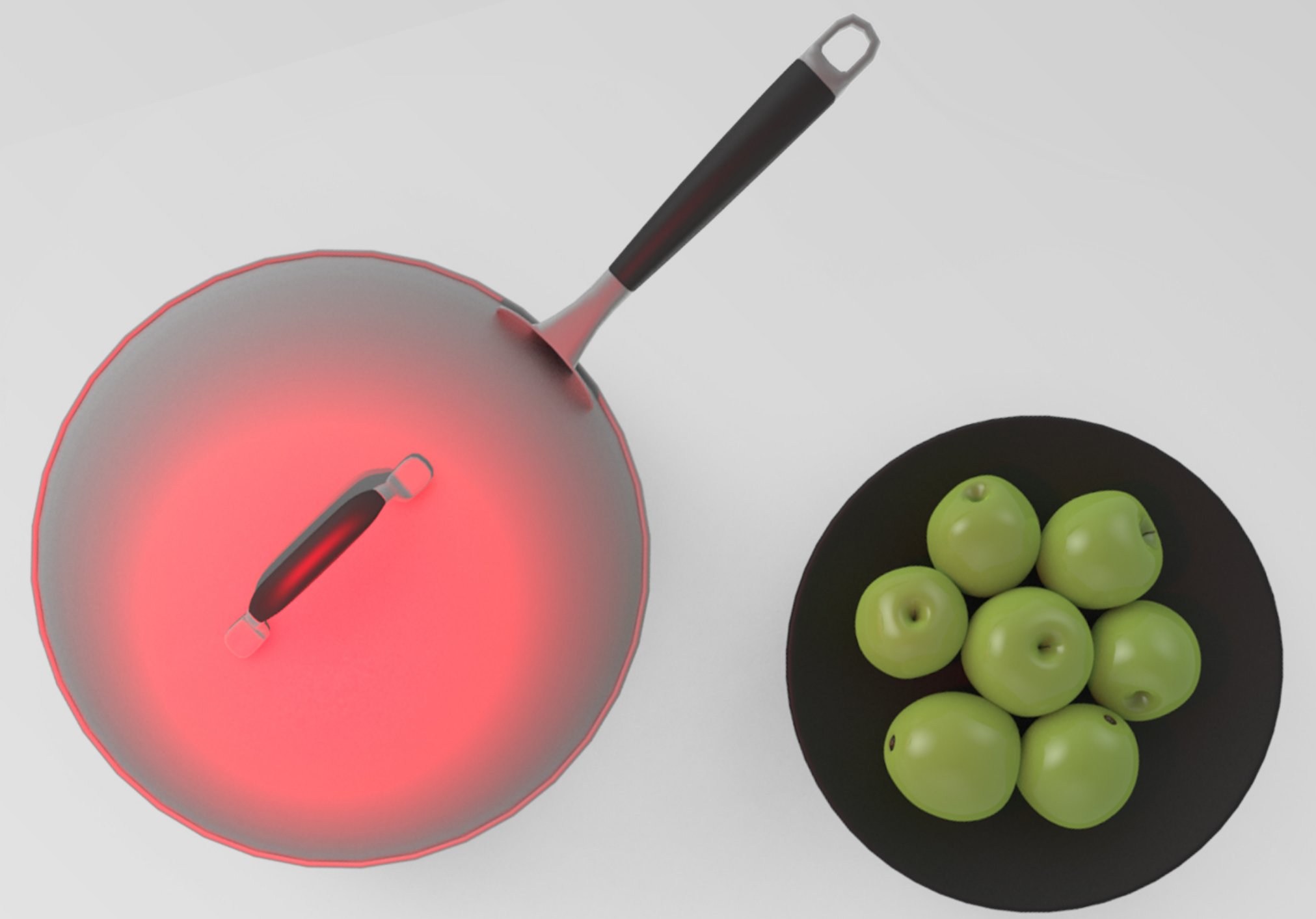
# Heat Detection System

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It often happens in a kitchen that people use the counter to temporarily place objects like tea kettels, baking sheets, saucepans or even a cup of tea. Since most of these objects don't look different when hot, they can become potential threats to all users. We made our product, HOTplate, to provide a safer environment in the kitchen. Using light as a communication tool, our product would react before a possible unfortunate event.



The product's main function is illuminating hot objects placed on the working area of the kitchen near the oven or the cooking panel. The hot items (50°C and above) and a small area around them are enlightened with red LEDs to warn the users.

The secondary function is to provide constant white light above the counter for users to help their activities in the kitchen. This way we can also eliminate the possible dangers that can come from working in a dark environment.