

PORCELAIN OIL LAMP

handstitched in light





OIL LAMP

KIMBERLEY CRONIN

The recent blackout across Spain, Portugal, and France has reminded us just how deeply we rely on electricity, even for something as simple as light. In our hyper connected world, it's easy to forget the origins of illumination, when people turned to natural materials like olive oil and cotton to create light. These early, resourceful methods offer not only historical insight but also inspiration for more sustainable, low-impact design today

CONCEPT

A porcelain oil lamp for self care, that blends delicate craftsmanship with powerful fire to create ambient light that goes beyond electricity. This oil lamp transforms an ancient system into a modern and functional product, it provides a modern perspective on traditional device that has, with time, been forgotten.



Porcelain has excellent general heat resistance due to its high melting point and stable chemical structure. It can withstand prolonged exposure to moderate heat without deforming or breaking down. Its low thermal conductivity helps it retain heat while resisting wear and thermal fatigue under normal conditions. Thus, this makes porcelain an ideal material for an oil lamp. Moreover, its easiness to clean and translucency add to the oil lamps efficiency.

PORCELAIN PROPERTIES

- translucency
- thermal resistance
- chemical stability
- sound reflective
- easy to clean
- mechanical strength

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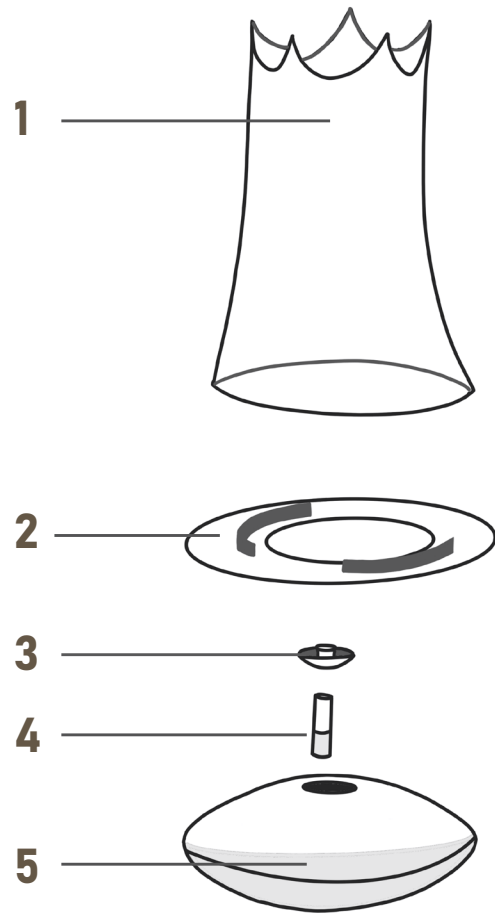


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The oil lamp represents a light option without unnecessary electricity waste and with the planet's future in mind

Indeed, it is a sustainable lighting option made from natural elements such as wool and clay. It is refillable, long lasting, low maintenance lighting solution

The light would reduce electricity consumption, lasts long and creates calming atmosphere. This appeals to both aesthetic and useful aspects



exploded view

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Extra Virgin olive oil is the least flammable oil and does not produce toxic black fumes, making it safe for a household environment.

BELTANE BILL OF MATERIALS

Limoges slip porcelain	1	2kg
Brass	2&3	1 sheet
Cotton wick	4	1 string
Extra Virgin olive oil	5	375 ml





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By dipping wool into liquid porcelain and firing it at a high temperature, the fibre burns away, leaving behind a hollow, delicate porcelain structure. When dipping a fabric, it must be 100% natural fiber in order for it to burn away in the kiln without producing toxic fumes or leaving residue. The process captures the original texture of the wool, transforming a soft, organic material into a durable, translucent form. Each lamp is handcrafted using biodegradable natural fibres,



Dipping wool in porcelain process





3D printed tool for dipping 100% crochet wool in porcelain

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