



Voronoi Lampshade



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updated 11. 2. 2024 | published 11. 2. 2024

Summary

voronoi vase mode printable lampshade for e14/e27

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Tags: **voronoi**

Introducing a unique and captivating addition to your lighting ensemble, the Voronoi Lithopane Lampshade. This meticulously designed lampshade seamlessly blends intricate aesthetics with functional elegance, resulting in a visually arresting piece that transforms any space it illuminates.

Crafted in a classic round shape, the lampshade features a mesmerizing Voronoi pattern that creates a lithopane-like effect when lit. Each facet of the pattern plays with light and shadow, casting an enchanting ambiance that adds depth and character to the surrounding environment.

The surface of the lampshade mimics the texture of creased or wrinkled paper, adding a tactile dimension to its appearance. This subtle yet distinct feature serves as a striking contrast to the lampshade's smooth, rounded silhouette, enhancing its visual appeal and making it a captivating focal point in any room.

Versatility is at the core of the design, allowing for multiple mounting options. Whether standing on its own or suspended from a compatible light fixture such as E27 or E14 sockets, this lampshade seamlessly

integrates into various settings, offering endless possibilities for customization and arrangement.

Whether used individually or as part of an ensemble featuring different sized lampshades, the Voronoi Lithopane Lampshade exudes sophistication and charm, elevating the ambiance of any space with its unique blend of form and function.

Experience the allure of 3D printing with this meticulously crafted lampshade design, perfect for enthusiasts seeking to add a touch of artistry to their home decor or lighting projects.

Instructions:

- Use a heat-resistant filament to ensure the longevity and safety of your lampshade.
- Optimal results are achieved when printing in vase mode. This will enhance the translucency of the lithopane effect and contribute to the overall aesthetic appeal.
- Ensure sufficient bottom layers for stability. This is especially important for maintaining the structural integrity of the lampshade. Adjust the settings according to your 3D printer specifications.
- A larger nozzle size is recommended to achieve sufficient wall thickness when printing a large lampshade in vase mode. This ensures a robust and durable structure while preserving the intricate details of the Voronoi pattern.
- Measure the outer diameter of your light fixture and add a cylindrical object as a negative volume to subtract the mounting hole from the bottom layers. Set the position of the cylinder to object coordinates X0 Y0. This will allow for a precise alignment when mounting the lampshade. Attention to this detail ensures a seamless integration with various light fixtures, whether standing or hanging.

In the pictures I used the IKEA STRALA Light fixture: <https://www.ikea.com/cz/cs/p/strala-podst-stol-lampy-bila-30332526/>

More designs might follow.

Model files



voronoi-1-xl.stl

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