



SERYCINE LIGHT PROJECT

Presented by Sara Stevoska

Selected design

Inspiration: The lamp is inspired by the iris flower, which is the national flower of France, aligning with Sericyne's heritage.

Materials: The petals and leaves are designed to be made of Sericyne silk.

Lighting Effect: The light source is placed in the center of the flower, creating a soft glow which casts a warm ambiance on the surrounding surface.

Base: The lamp stands on a wooden base, representing natural materials and grounding the design in minimalism.



Solace Glow

Plan for making the prototype

Petals & Leaves: Use Sericyne silk for both petals and leaves to showcase the material's natural elegance.

Shape Support: Insert a thin wire between two layers of silk in the petals and leaves to allow flexible shaping and hold organic, lifelike curves.

Lamp Base: Use a pre-made wooden lamp base (sourced from JYSK) that includes the electrical components (light socket, switch, cable).

Assembly: Attach the silk flower components to the central metal rod of the lamp base, which serves as the stem of the flower.

Light Source: Position a bulb inside the center of the flower to create a soft, glowing light effect radiating through the petals.

Research during the making of the prototype

01

Material Exploration:

Studied how to work with Sericyne silk, especially techniques for layering it and embedding wire to achieve organic shapes.

02

Lighting Integration:

Explored options for integrating a light source such as a LED light bulb due to its low heat emission, energy efficiency, and safety for use with delicate materials like silk.

03

Base Construction Options:

Designing a custom wooden base (potentially 3D printed) with manual installation of wiring, switch, and bulb socket, or using an existing lamp base with integrated electrical components.

04

Structure & Stability:

Researched ways to support delicate silk components, ensuring the petals and leaves could maintain their shape over time.

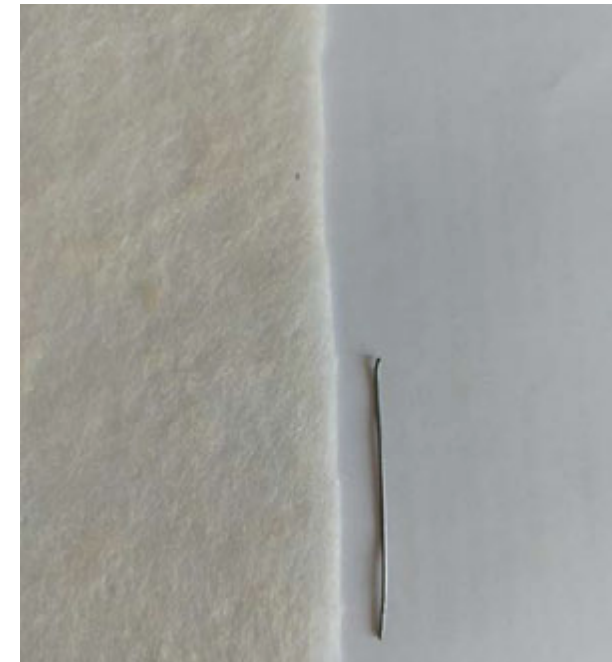
Making of the Prototype: Beginning Stages

- Drew iris petal shapes on Sericyne silk
- Cut out each petal carefully
- Added wire along edges and center
- Shaped petals into organic forms



Suggestions for improvement

- **Integrate wire between silk layers:** Place the wire on one side of the silk paper, then fold or twist the silk to hide the wire from view.
- **Improve finish quality:**
 - Sew along the edges to secure the silk neatly.
 - Alternatively, use transparent or fabric-safe glue.
- **Enhanced durability:** Sewing or gluing strengthens the structure



Details



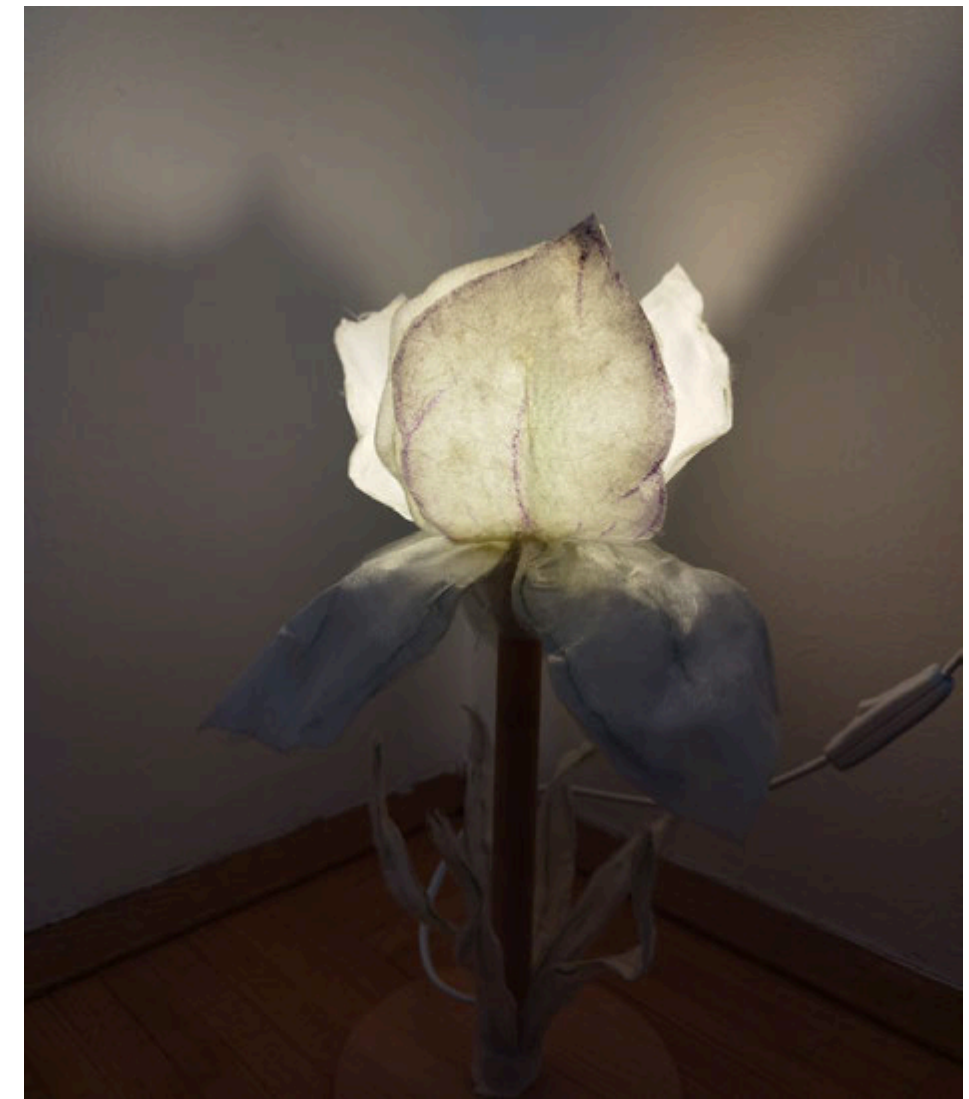
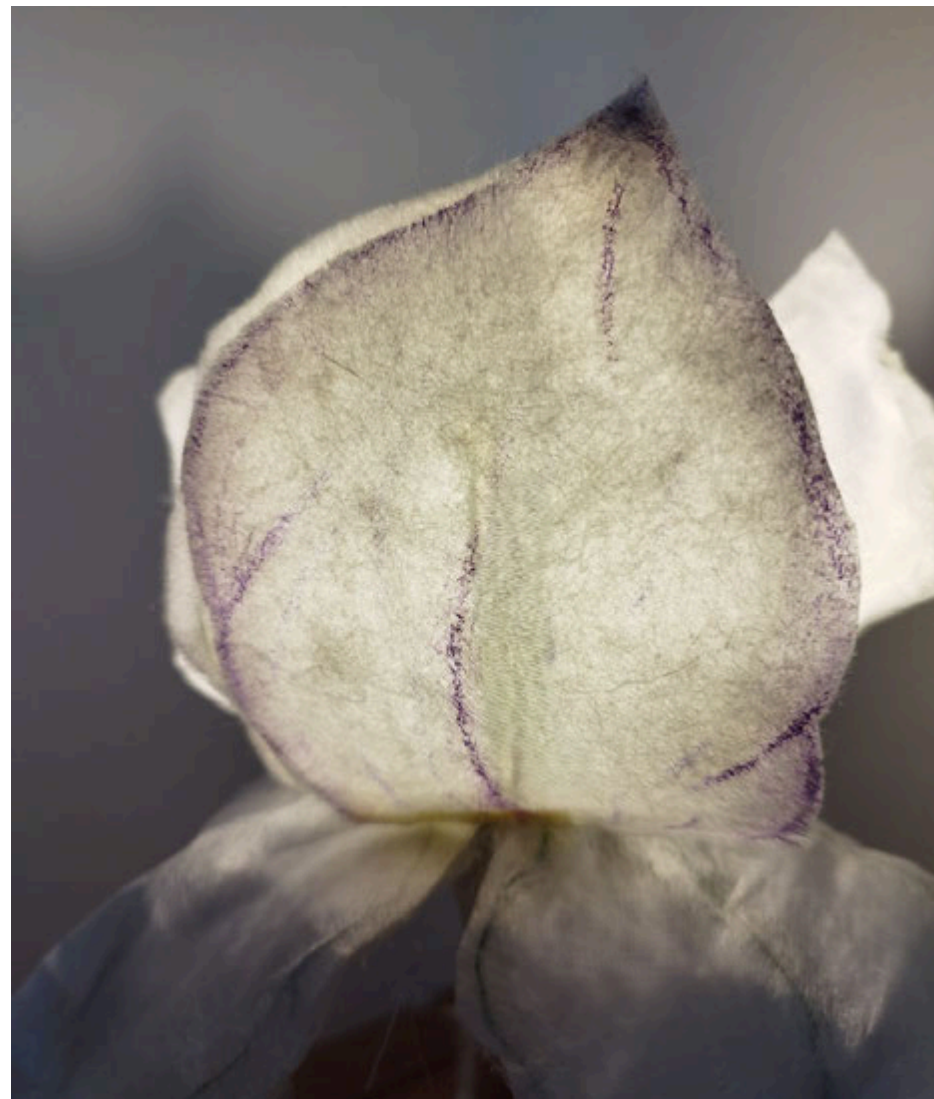
Details - multifuncional elements



Multifunctional leaf elements:

- Storage function: Curved leaf shape allows for hanging or placing jewelry such as rings, necklaces, earrings.

Experimentation: Color Testing on Silk Sample



Suggested methods for dyeing the silk: airbrush or spray machine, hand painting, silk screen printing.

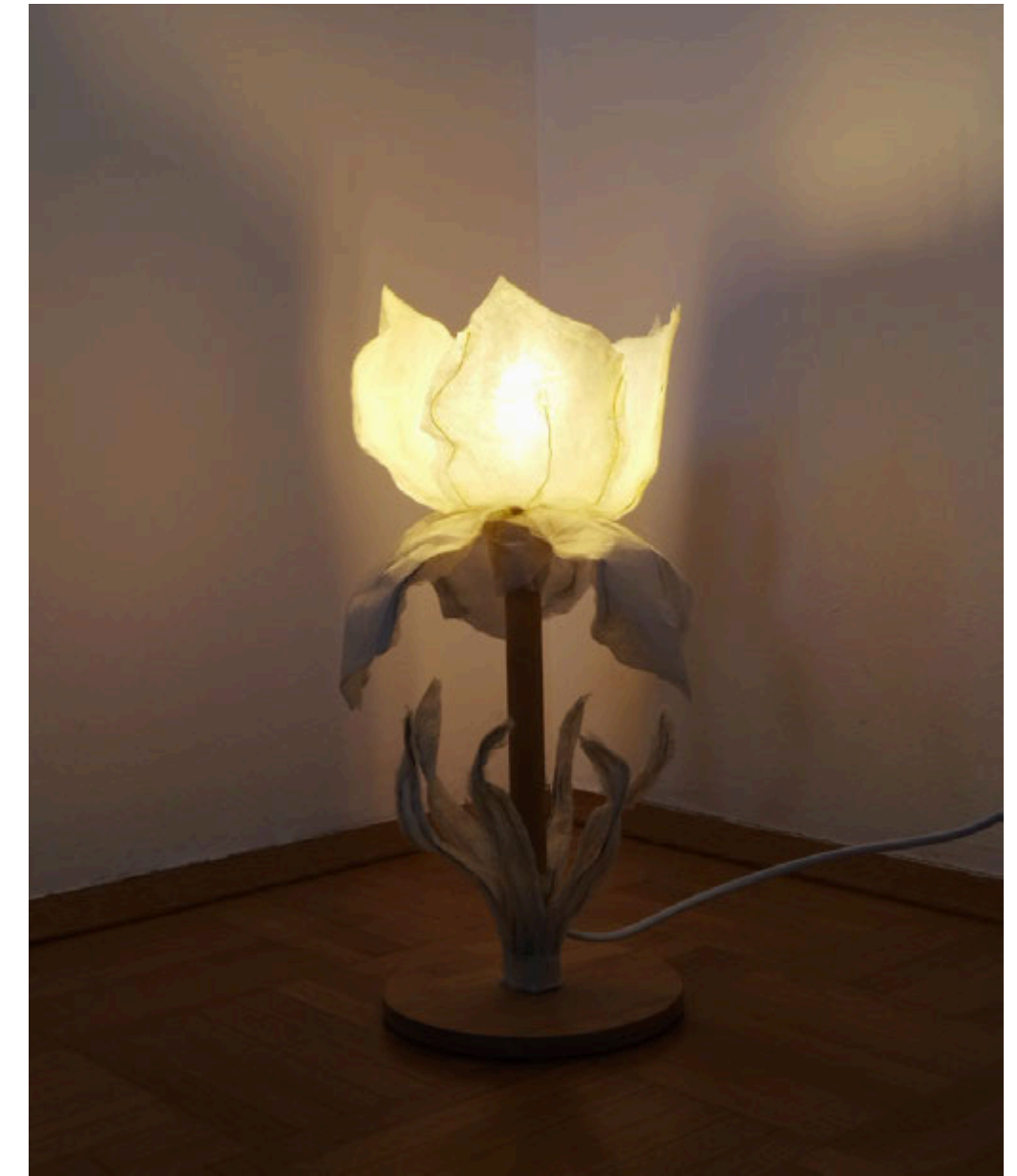
Final Prototype Photos



Lamp Off - Full View of the Design



Lamp On During Daylight - Ambient Effect



Lamp On at Night - Illuminated Atmosphere

Reflection and Future Development

- Gained hands-on experience with innovative materials such as the Sericyne silk.
- Learned how to combine aesthetics and function.
- Improved skills in quick problem-solving and prototyping.



- In ideal conditions, would develop a custom base and improve color testing on the silk.
- Would explore adding smart features (e.g., adjustable light temperature).
- Potential to expand into a full lighting collection.



THANK YOU!