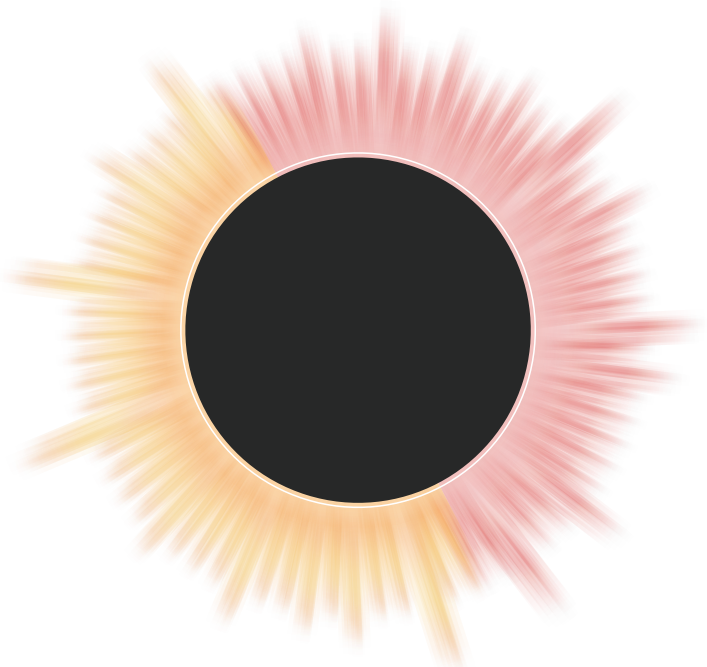


Type 1

After engraving the pattern of line art on the acrylic plane, synthesize and permeate the light in the middle and outside of the acrylic



Type 2

After etching the pattern on the edge of the acrylic plate, refraction and diffusion of light in the space outside the acrylic.



Type 3

The acrylic plate engraved with pattern is constructed into a three-dimensional form, and refracts and diffuses light on the cross section of the acrylic.

Structure

Type 1

The user can adjust the light in a stable manner by installing the potentiometer inside the 3 original plates and holding the neopixels on the edge.

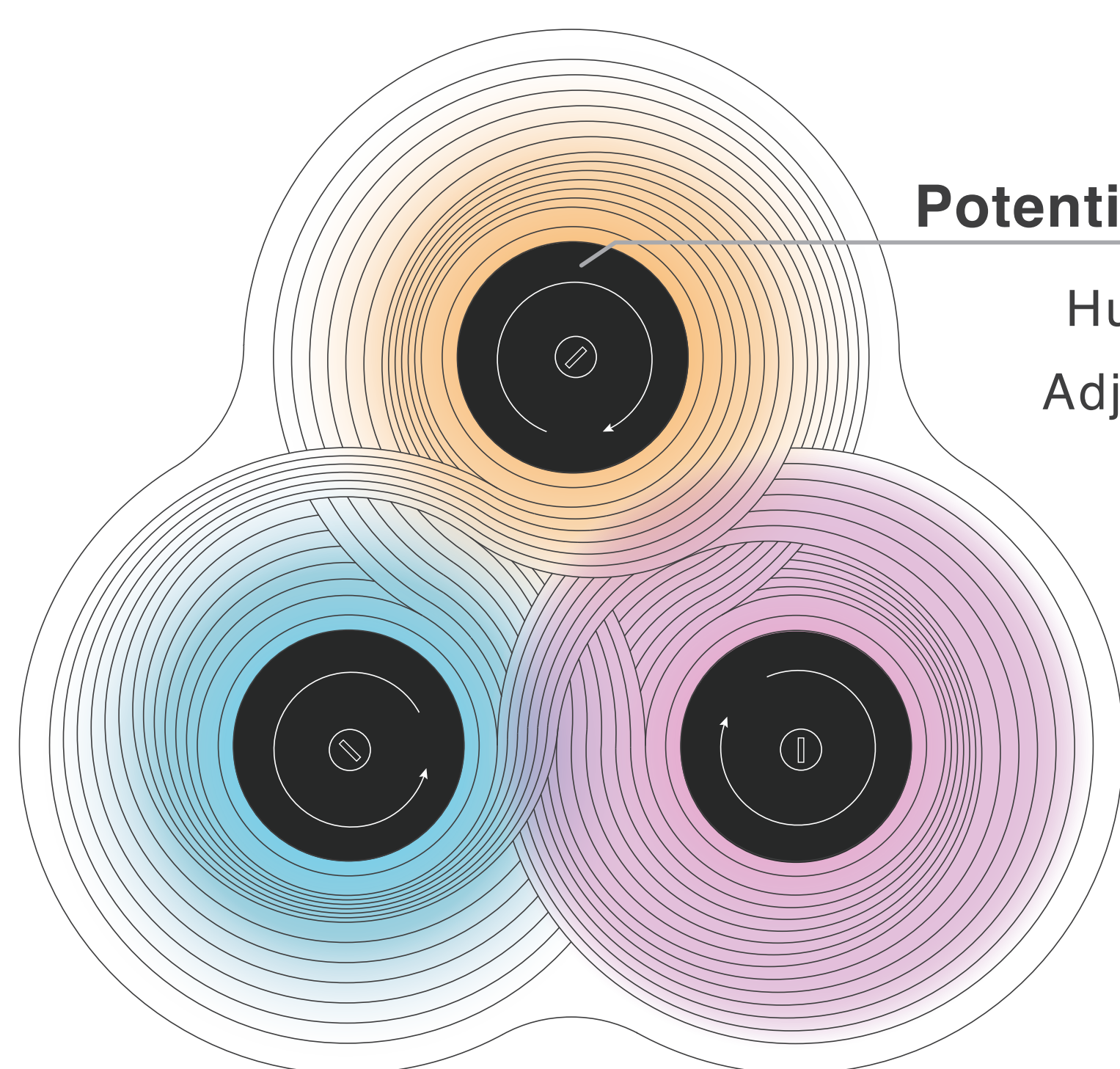
Type 2

Two cut acrylic panels overlaid with acrylic edges and neopixels were attached from inside to outside to help guide the light source (module) to the user using a circular neodymium magnet.

Type 3

The two motors were able to pull the pulley in the middle of the acrylic center and rotate it in different directions, so that the neopixels were attached to the frame rather than the original plate to prevent the line from twisting.

How to Use



Type 1

The user rotates three plates with a paddle to control the color of light (Hue) and the basic LEDs use the Hue, Saturation, and Brightness values to draw the audience's interest in pattern, color of light, and animation.

Type 2

Cut the edges of the acrylic to induce light bending, and control the Brightness by moving the light source yourself. Using the acceleration sensor (MPU-6050), the color (Hue) and animation change depending on the position of the light source to draw interest from the audience.

Type 3

It transmits light to the mysterious patterns that you can see as you cross-rotate, so that you can see the rotating patterns more interestingly through animations that vary with distance.

