

Ocean of Thoughts

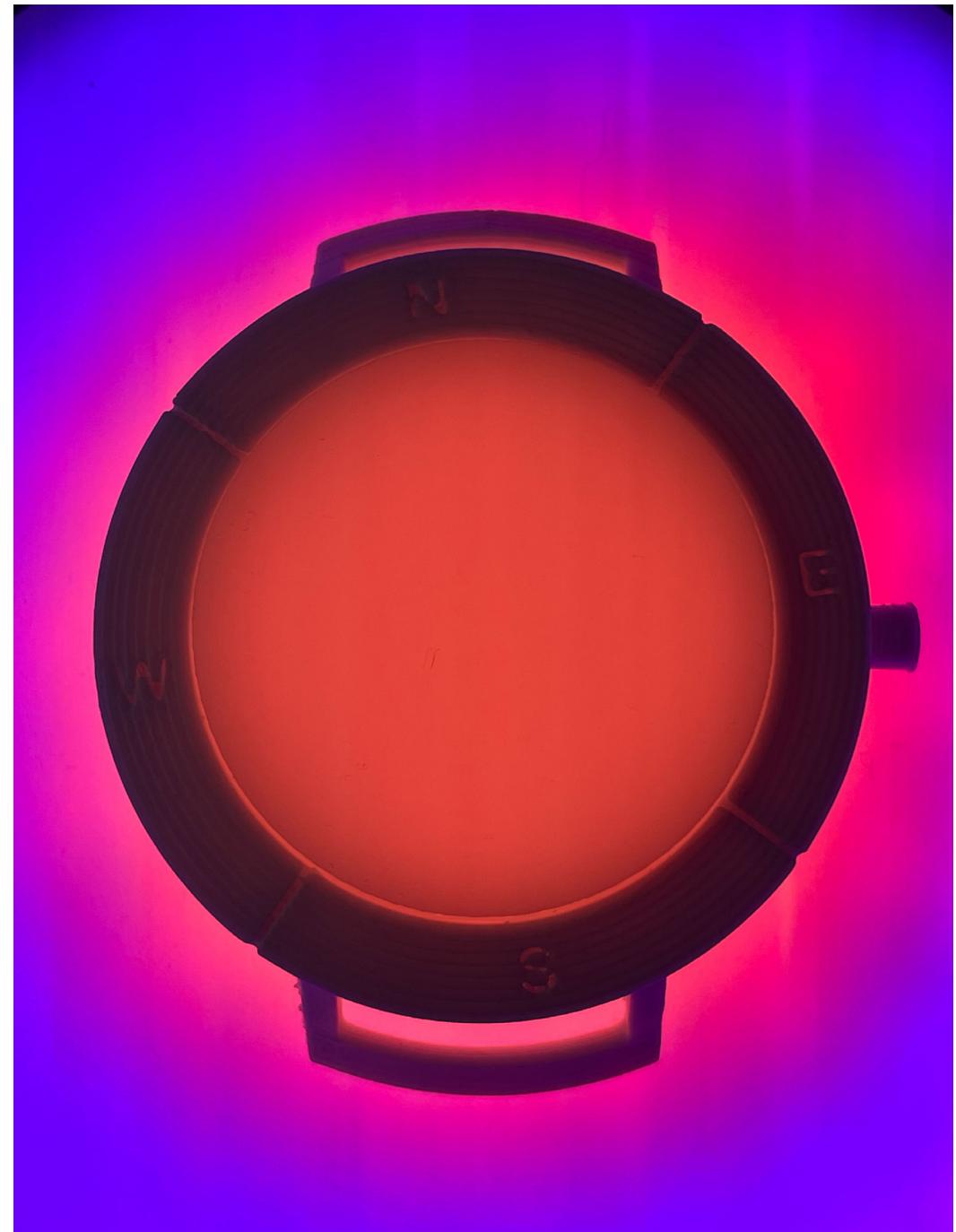
A daydreaming navigator

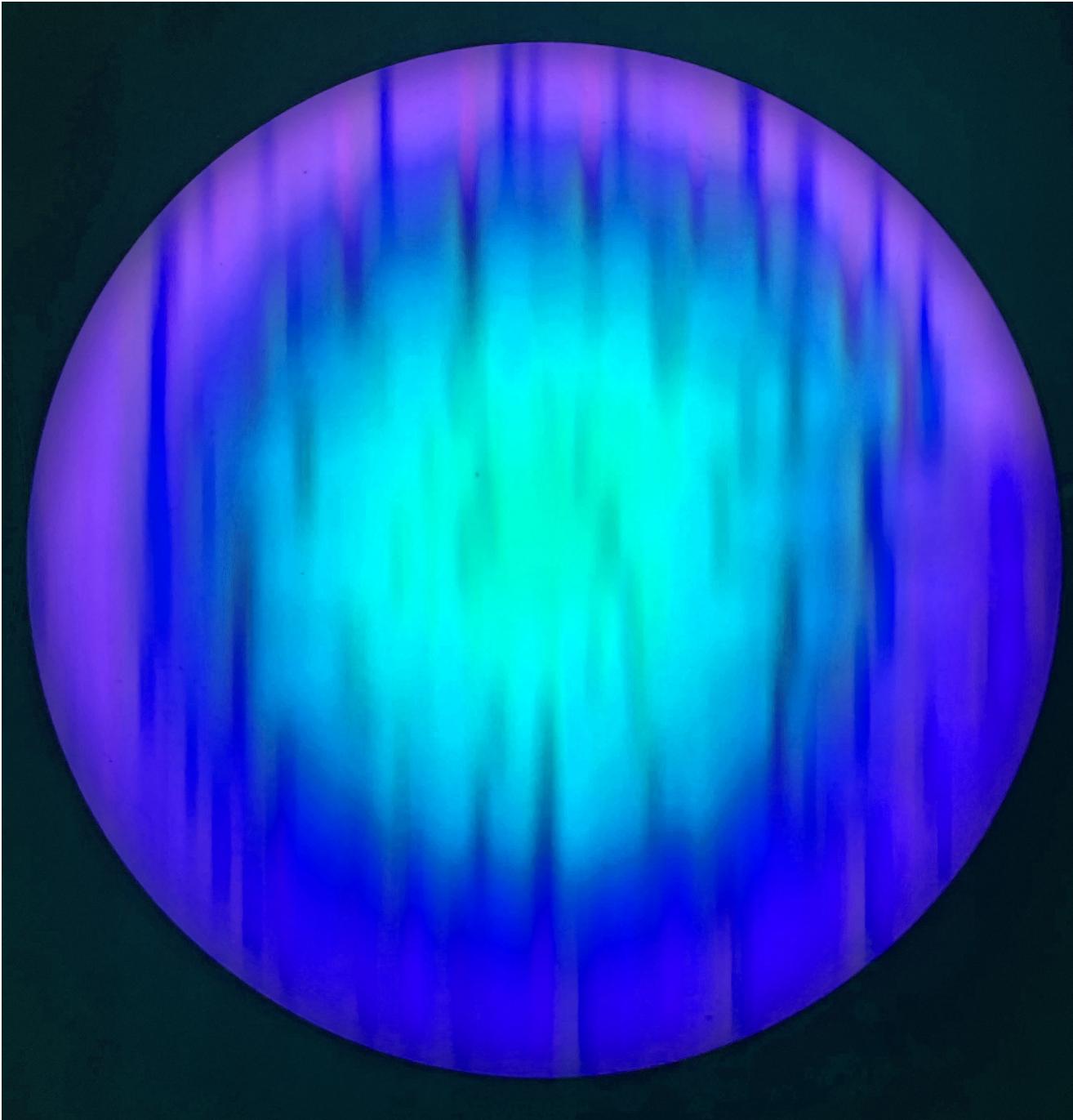
Short Project Description

Ocean of thoughts is a contemplative LED device. It acts as a navigation tool to embrace times of wandering in your mind.

Being the navigator of your thoughts, the trajectories you pick will drift your vessel to colorful seas and encounters. But beware, as the more you navigate, a storm gradually builds up to affect your journey. In the verge of the storm, your journey is reset, bringing you back to origin for you to further map out other locations in this ocean of thoughts.

The ocean of thoughts is a metaphor. As you use the device, Phasing in and out of time frames when we temporarily lose focus from productive time or consciously daydream.





Field observations & Key Insights

1.

Interviews:

Where, When, How,
How long and how often do
people daydream?

2.

Observing and writing down:
Daydreaming ways of passing
time in an airport terminal

People daydream everyday.
Length vary: if during work, social interactions
(shorter: seconds/minutes)
or while break, commuting and resting (longer: mi-
nutes)

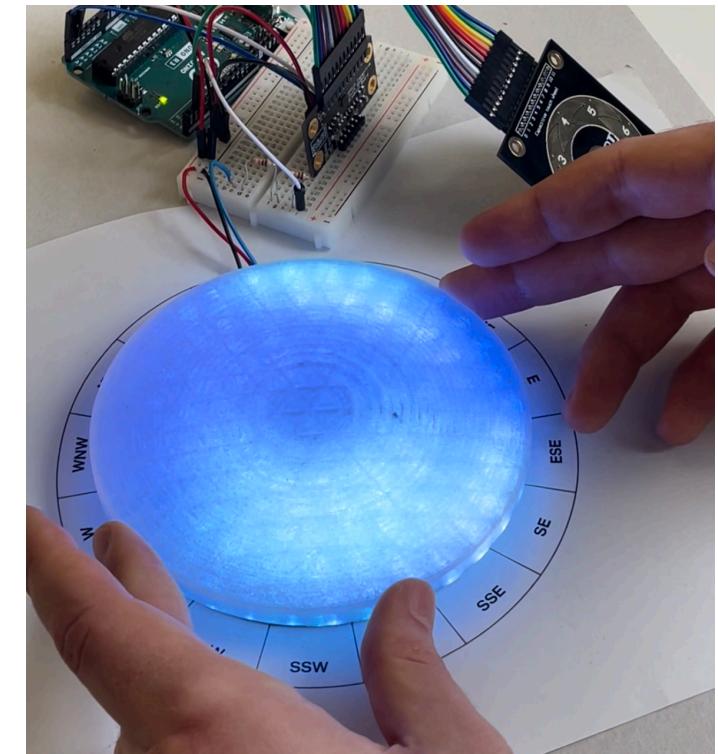
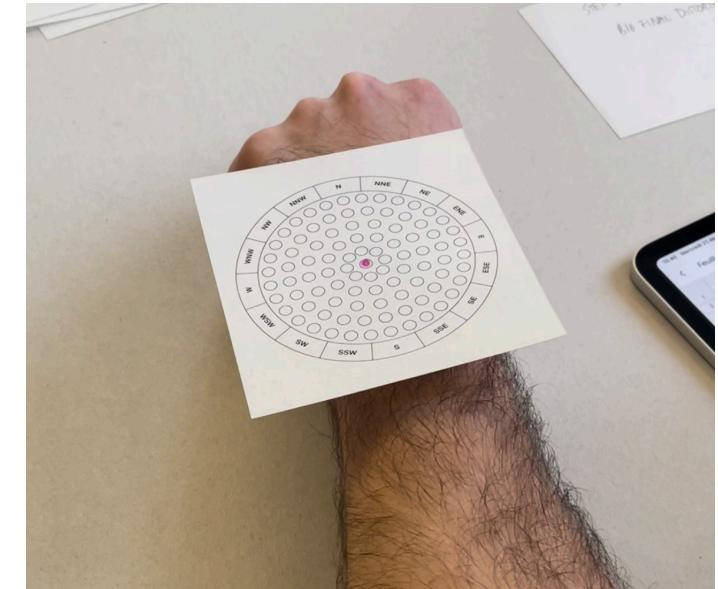
Daydreaming ways of passing time in an airport terminal
People phasing out generally stand still:
standing up in line,
seated at coffee, gate

Field observations & Key Insight

3.

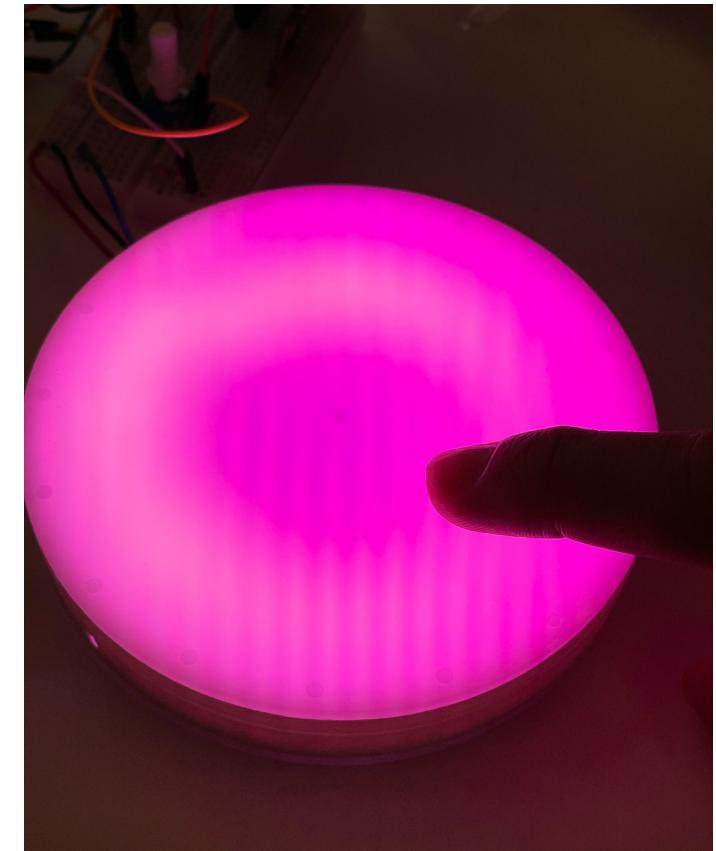
Test Day: Analysis of device structure, gesture & LEDs output

Blinking incite user to interact with the device
If looks too much like compass you lose the understanding of touch gesture
Discovered colour moods shouldnt happen at each stage of the journey
Steps should spread during the day, not everything at once



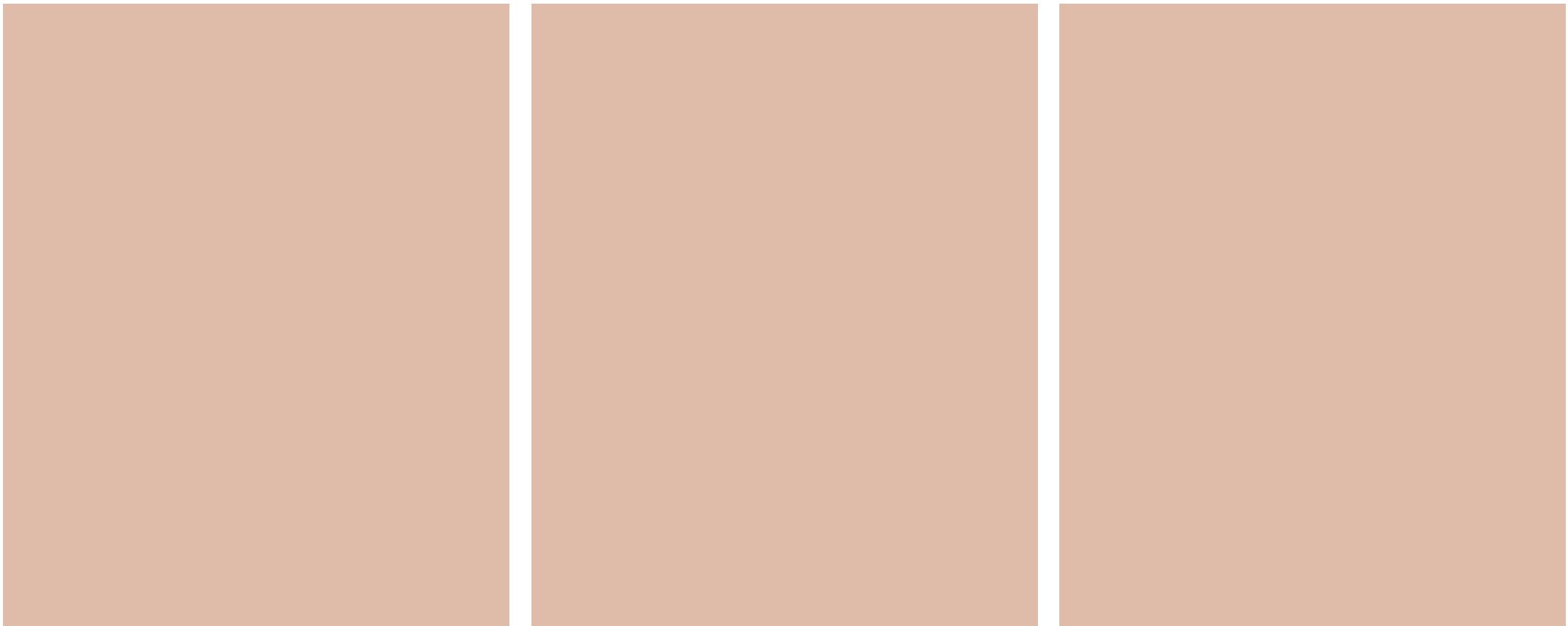
Usage scenario 1/2

You wear the navigator on your wrist.
Switch it on and adjust brightness to your preferences.
Pick a direction and start drifting through colors and
animations until the vortex storm hits.



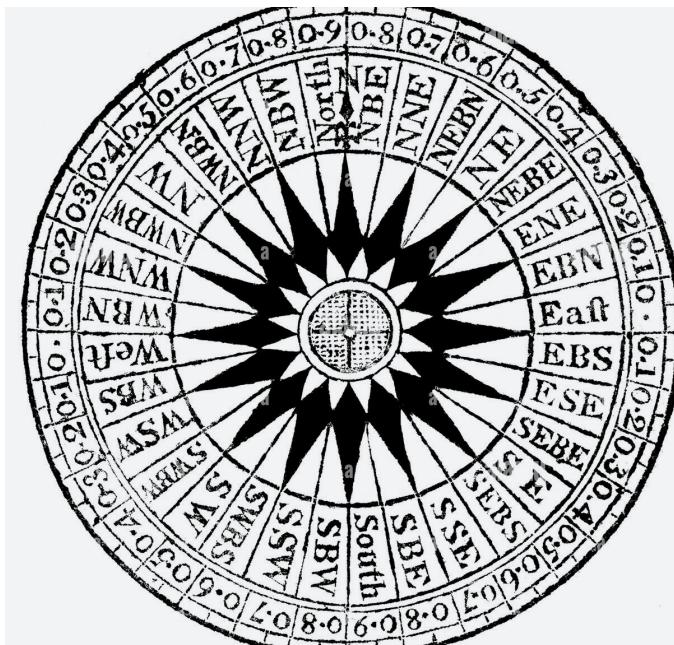
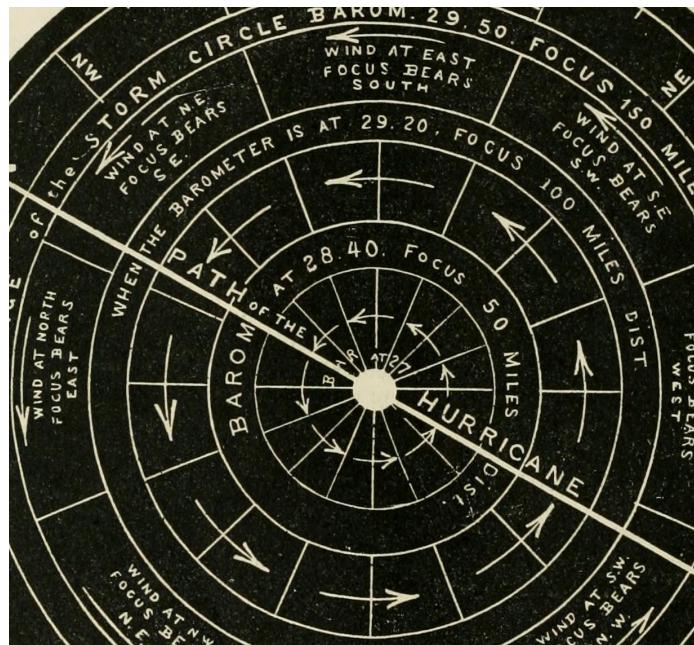
Usage scenario 2/2

Animations...



Shape research & development:

Nautical Navigation Tools
& Visual Vocabulary References
Compass, Windrose & Shipwheel

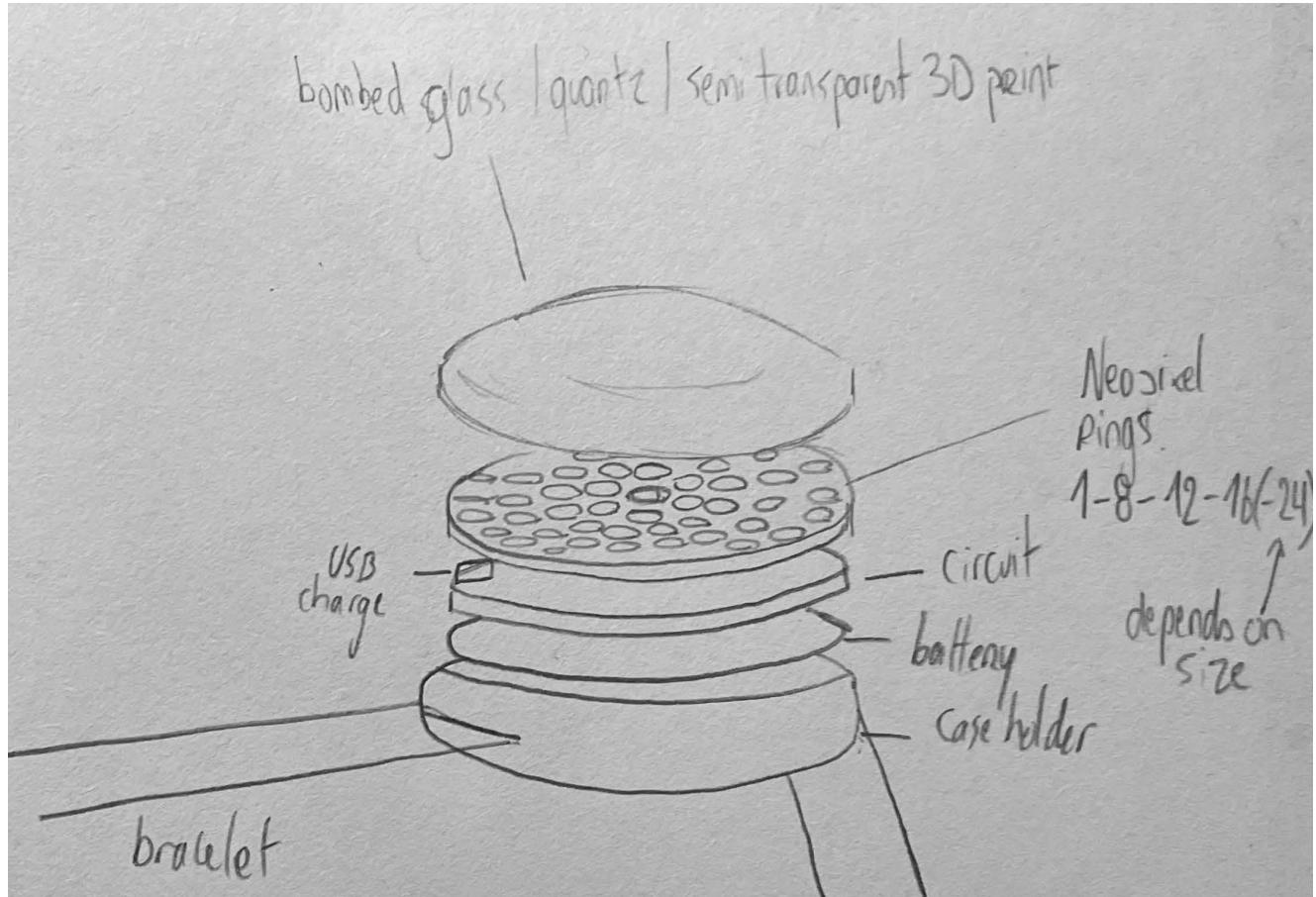
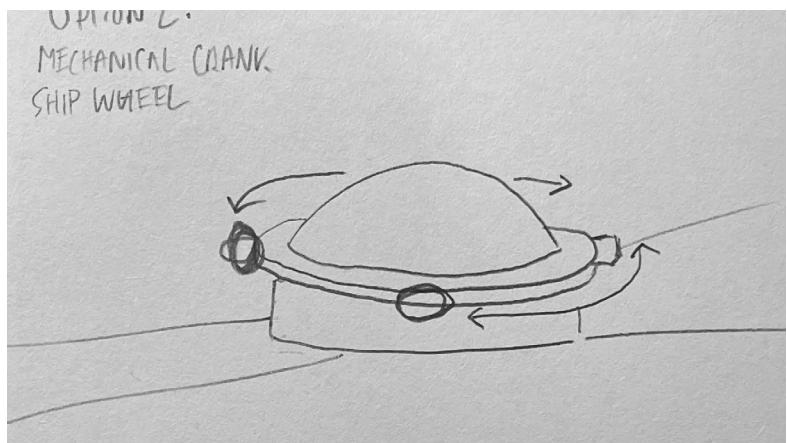
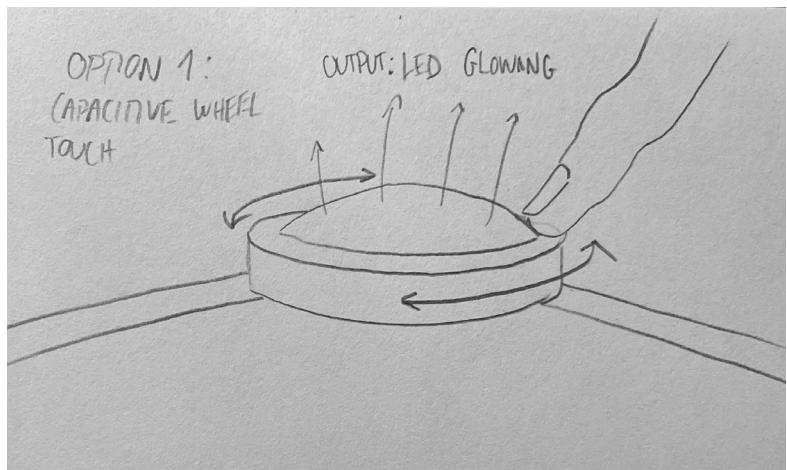


Shape research & development:

First sketches

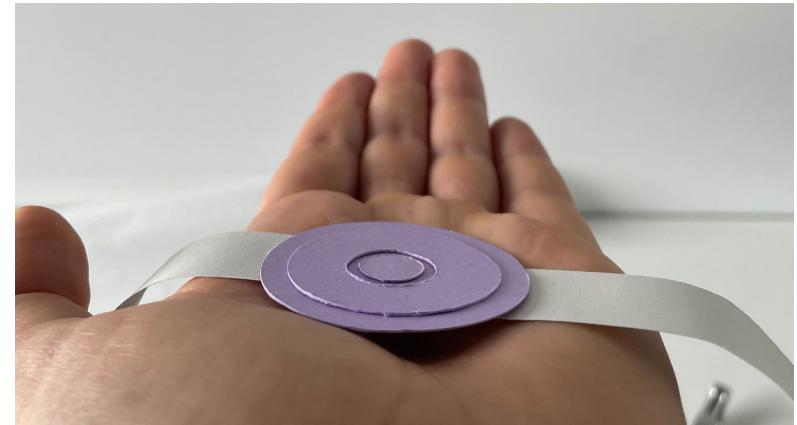
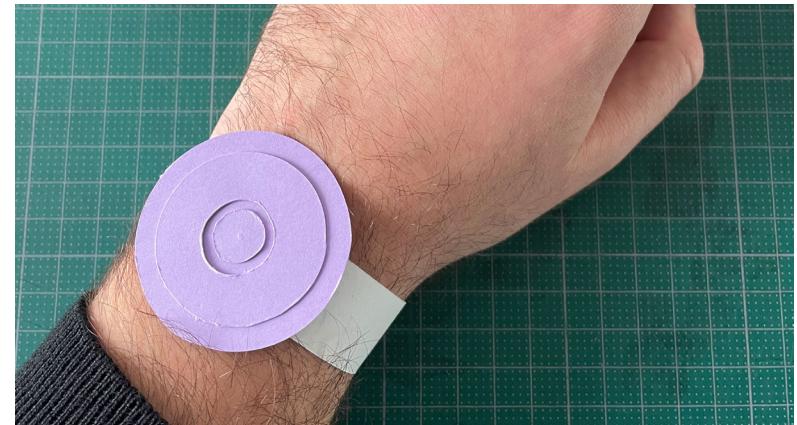
Gesture

Touch Rotate or Crank a wheel



Shape research & development:

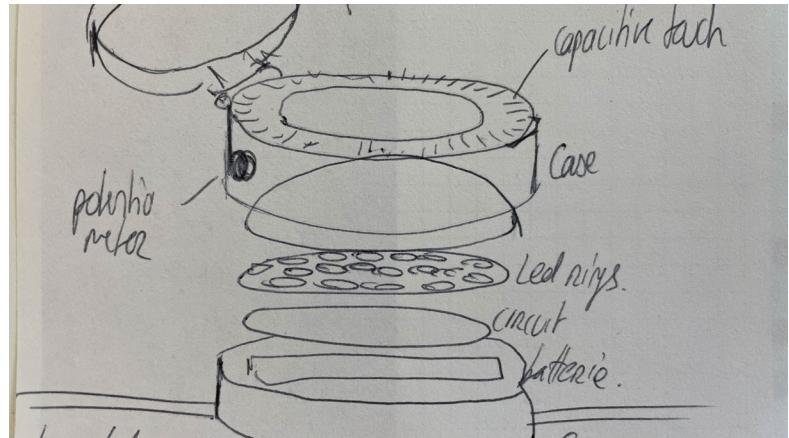
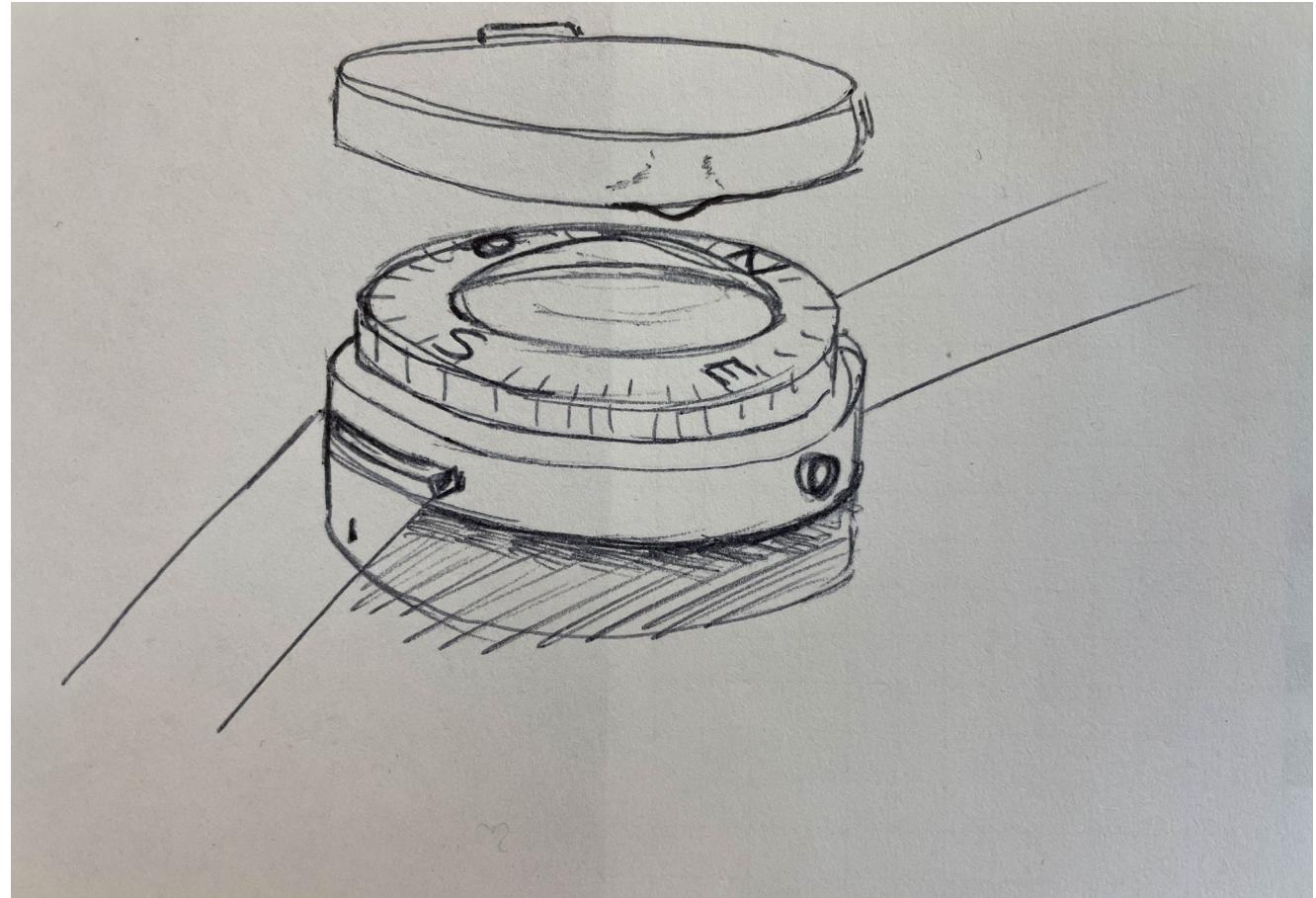
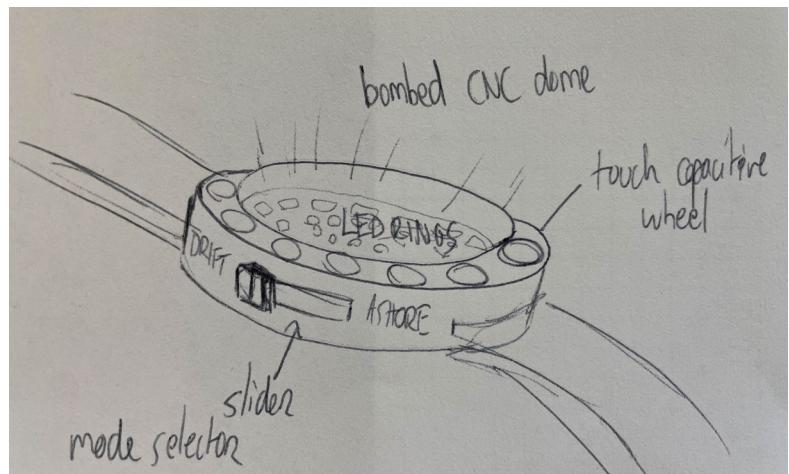
Wearable but where and how



Shape research & development:

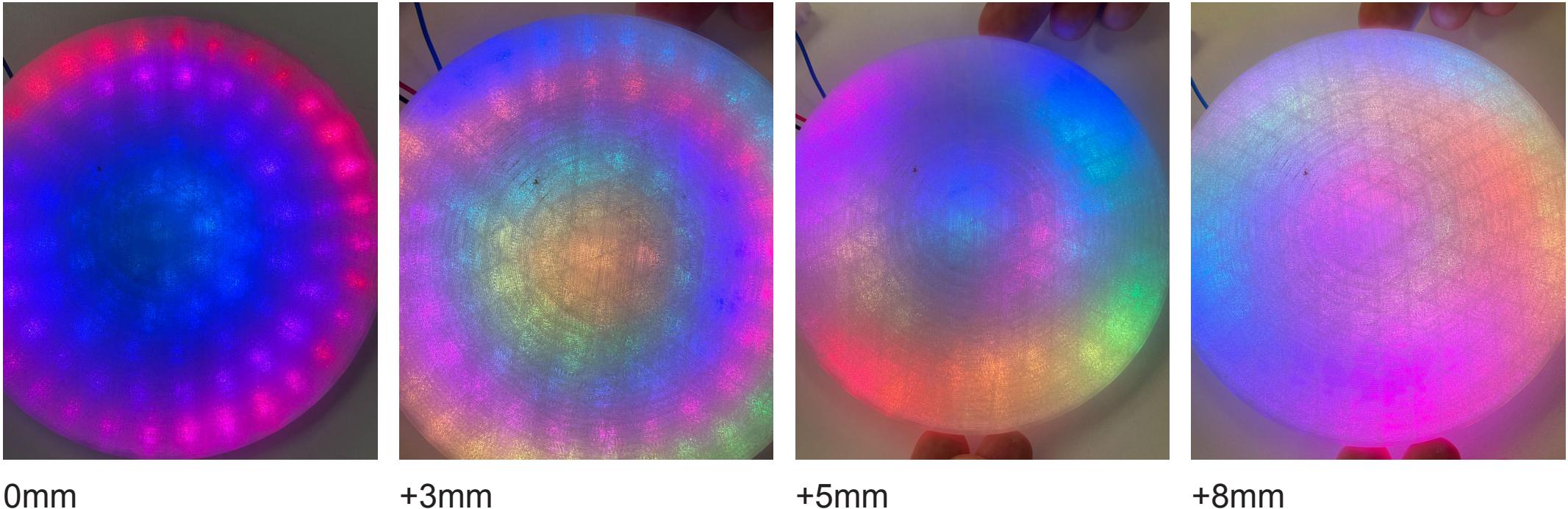
Further sketches

Components and overall shape



Shape research & development:

Research on light diffusing materials:
2:1 functional prototype
Option 1: PETG dome 3D printed
Offset between LEDs and diffusing material



Shape research & development:

First 1:1 non-functional prototype

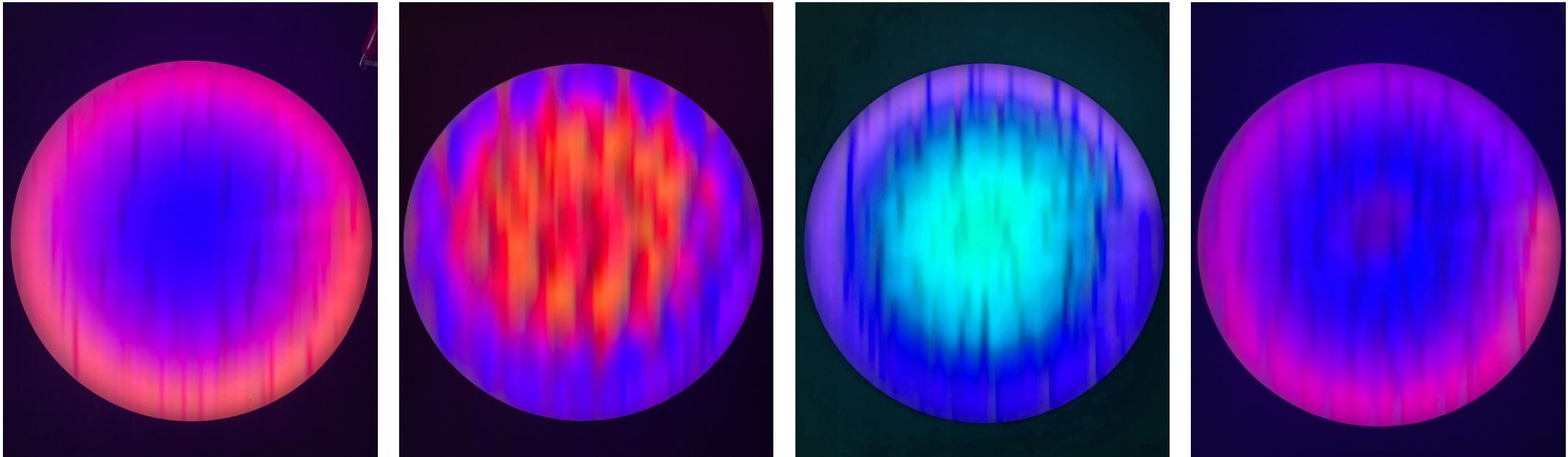


Shape research & development:

Research on light diffusing materials

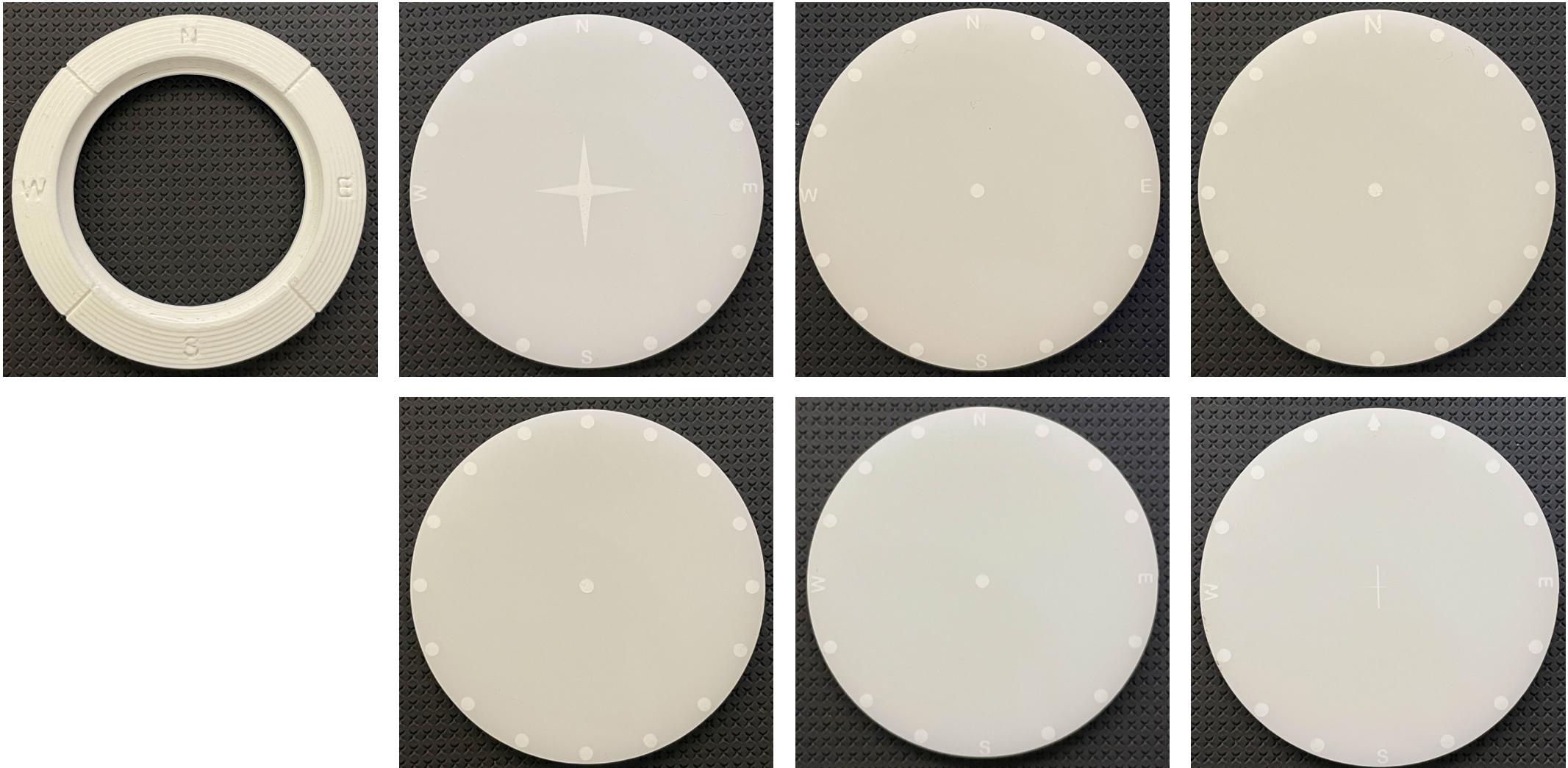
2:1 functional prototype

Option 2: Disk Laser cut PMMA White Opalescent 37%



Shape research & development:

Laser engraving details research
to acknowledge understanding of
capacitive touch positions



Shape research & development:

Bracelet material research

Reflective Paracord 550 4mm

Used in nautical, outdoor & military equipment



Ref



It's orange!

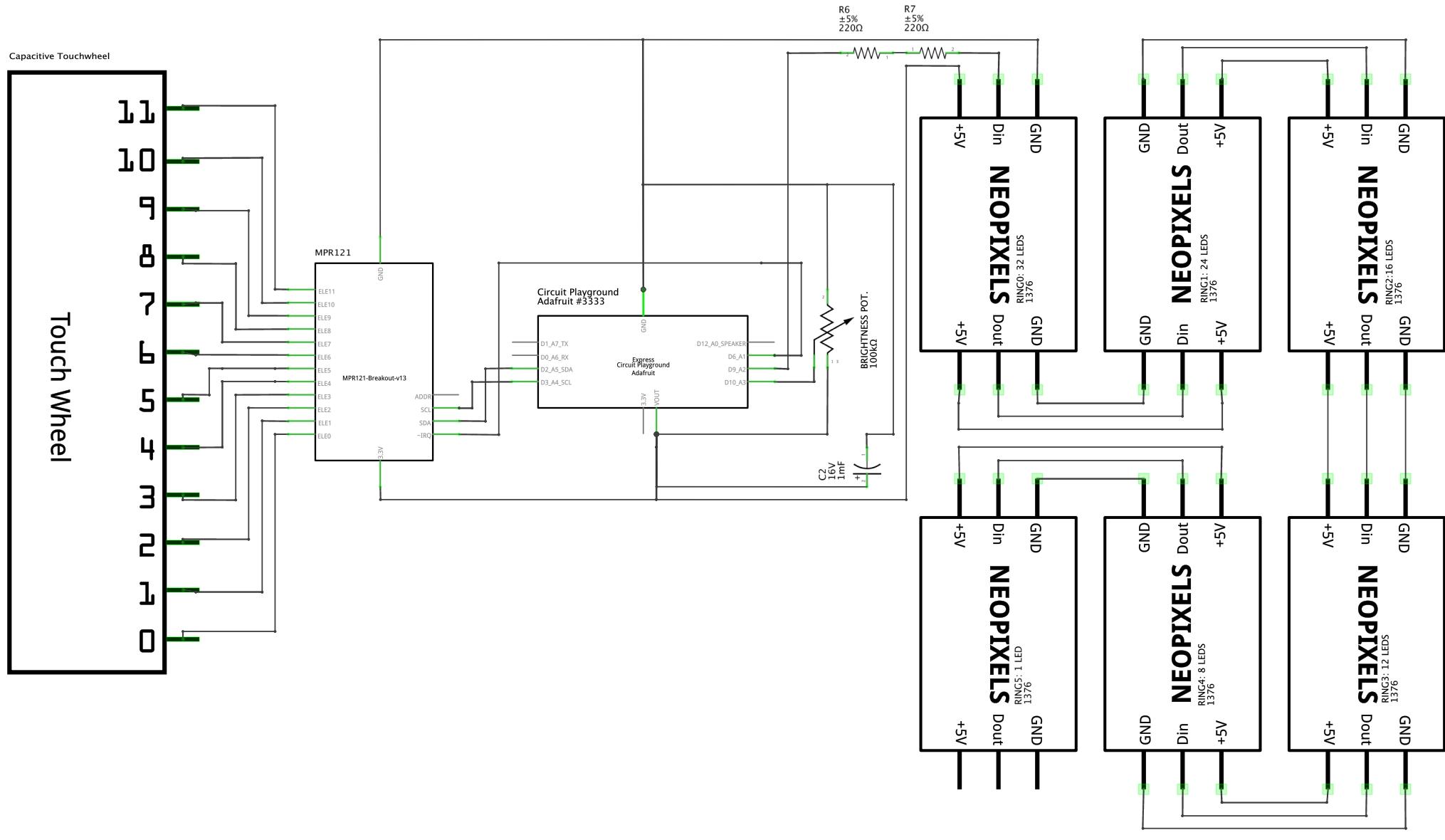


It's reflective!



Electric diagram

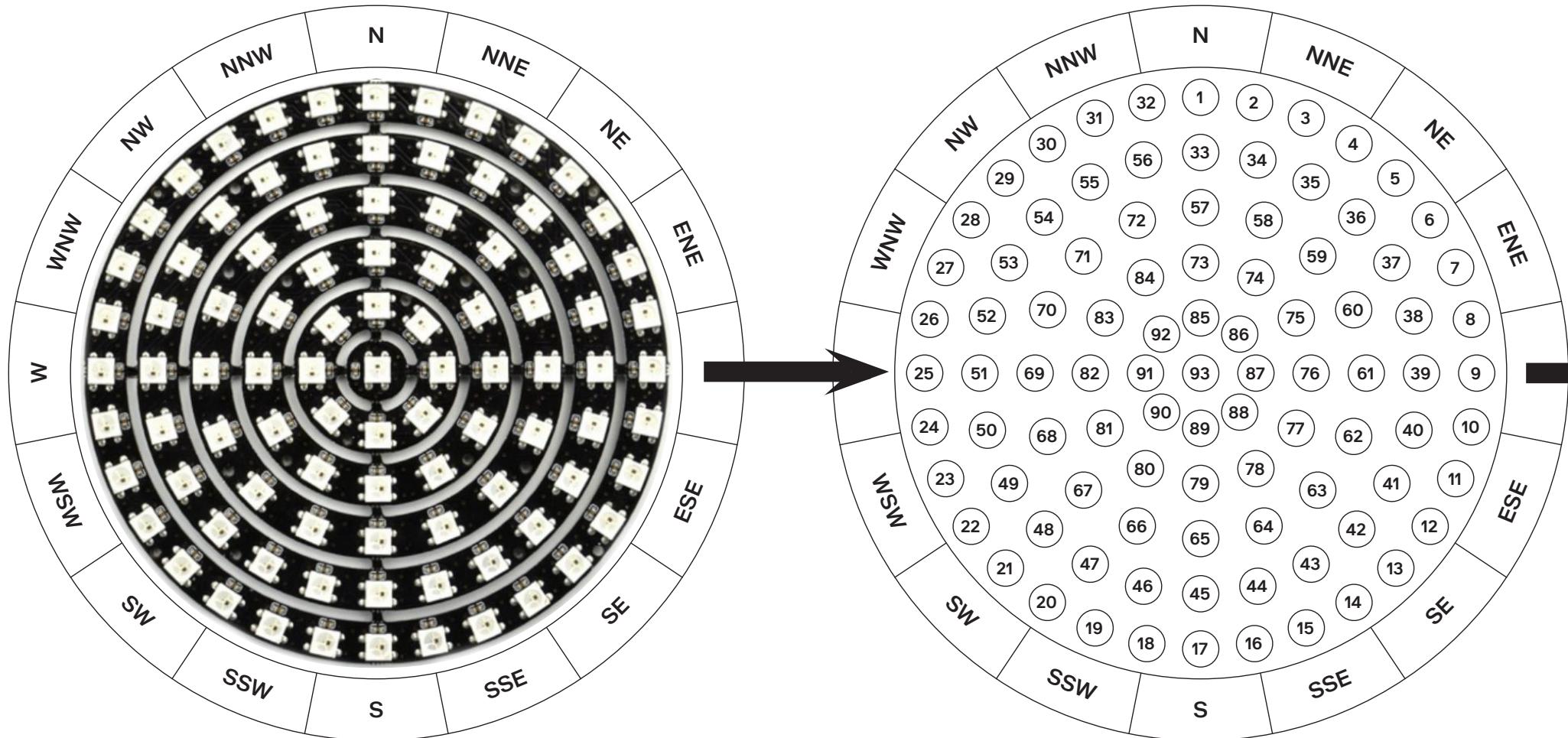
(see next page for clarity on Neopixels)



fritzing

LED diagram:

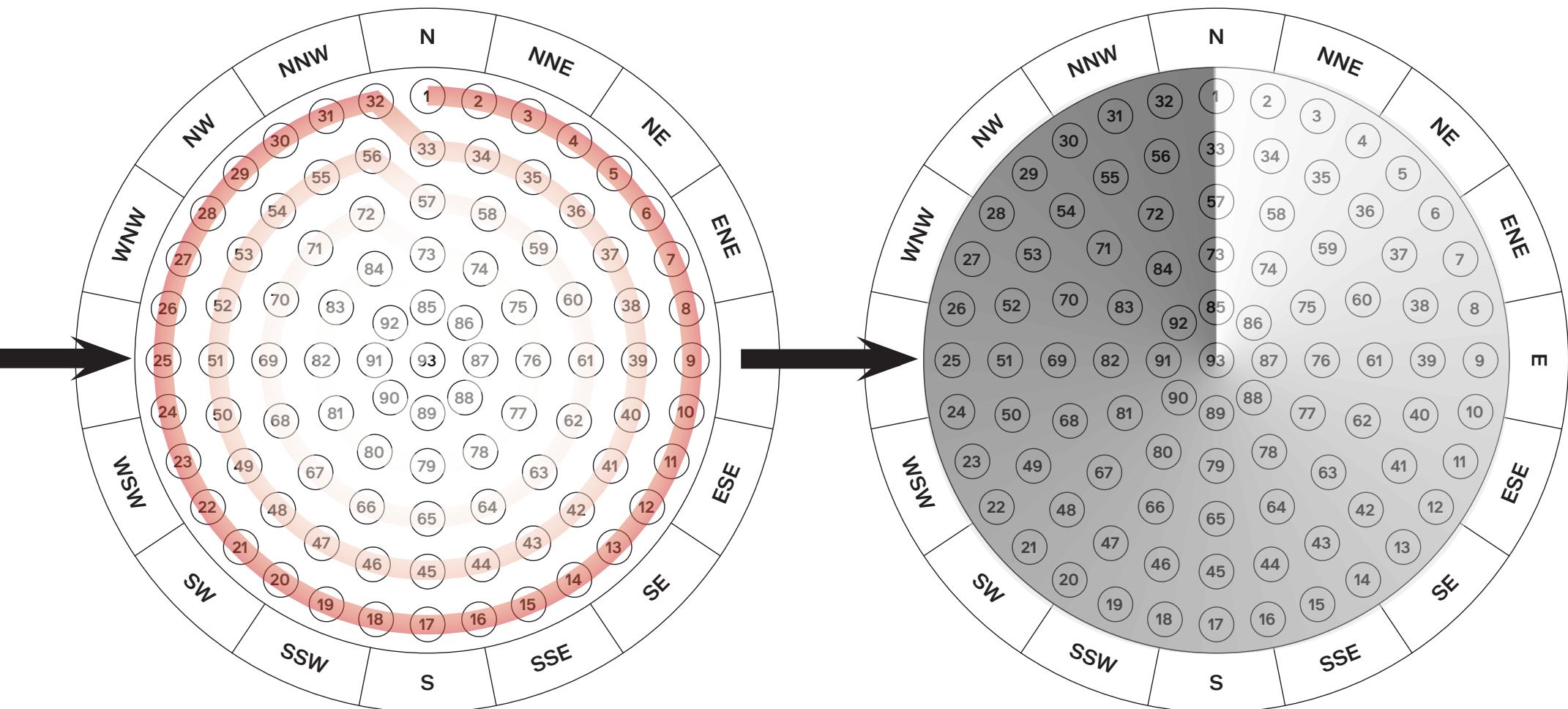
Concentric Rings acting as single strip (1D) mapped below



LED diagram:

Using polar coordinates to turn into 2D. (angle+distance)

Ideally, would turn into x,y matrix



Plan Drawings

Materials:

Scale: 1:1 in mm

