

prime.

the majority of Americans have at least one person in their household who forgets to turn off the lights when they leave a room or area.

**leaving on the lights
contributes to light pollution.**

“Who Left The Lights On?” Lutron 2013



light pollution & wasted lighting affects:

human health

wildlife & nature

climate change

“What Is Light Pollution” Dark Sky 2023



how can we design a decorative light switch that encourages users to turn it off and save energy?



dimmer switches



utilitarian design

custom light setting

simple but understood

only decor is to switch out the wall plate

what encourages users to interact?

circles, or completing circles can
bring feelings of completeness,
satisfaction, and happiness.



The Book Of Circles by Manuel Lima 2017

“Why Humans Are Obsessed With Circles, According To Science” Fast Company 2017

“The Meaning of Shapes In Graphic Designing & How To Use Them” Glorify 2022

design criteria

playful

interesting

unique

minimal

decorative

functional

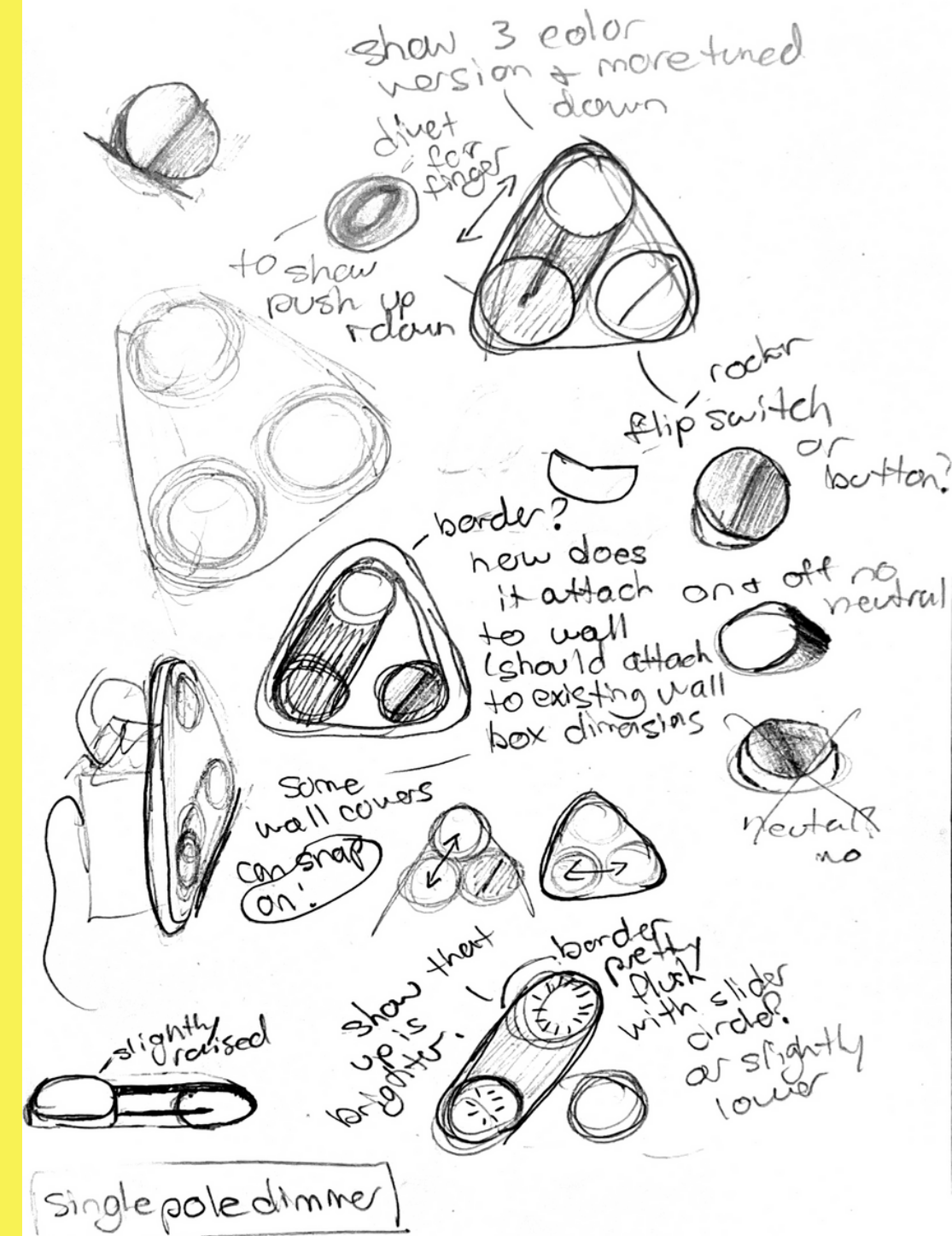
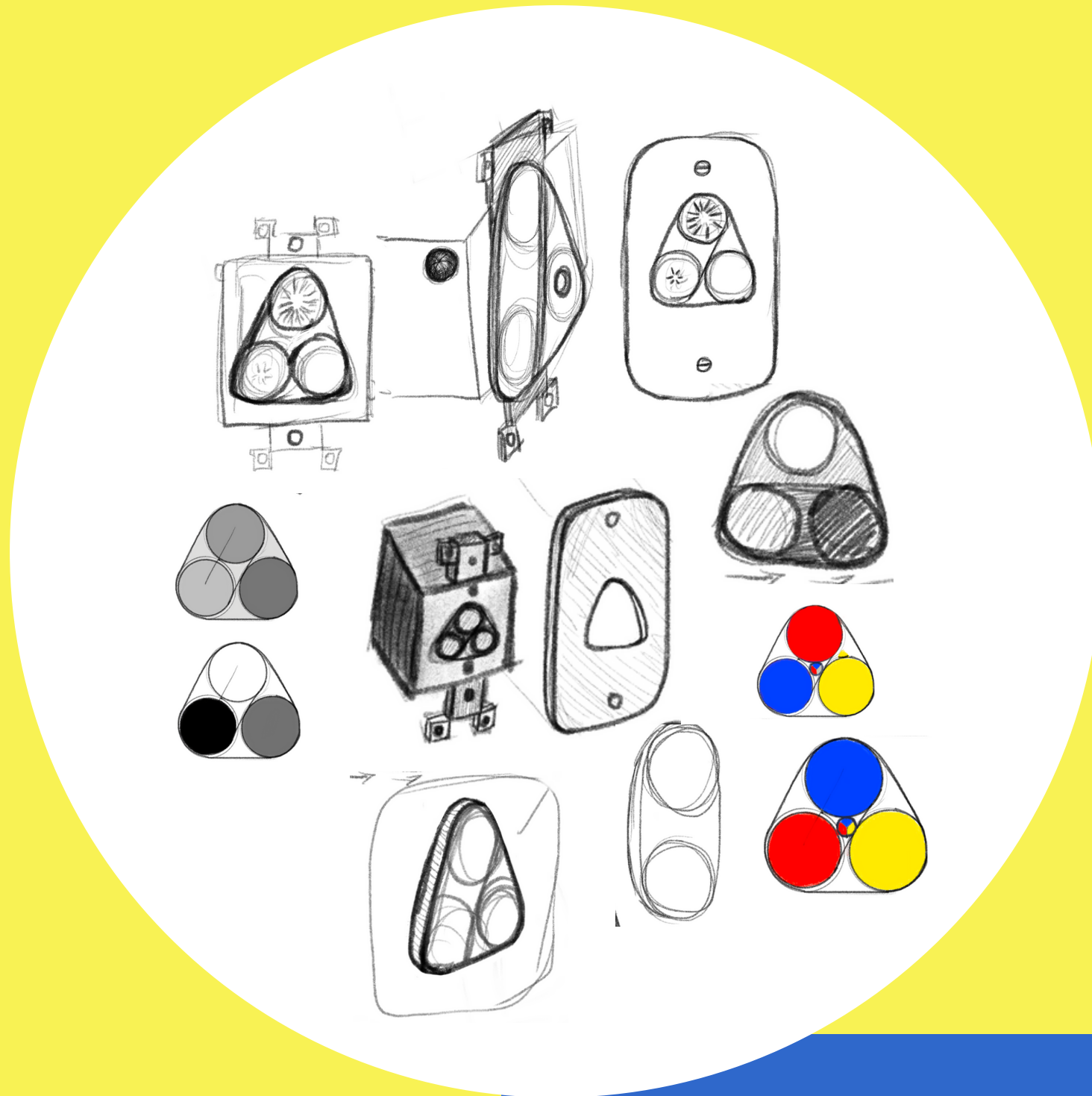
customizable

belongs



playful & modern design

ideation



understanding the user interaction with knobs and sliders
planning the assembly and detailing build
exploring various on/off options

prototyping

translating the concept into physical models

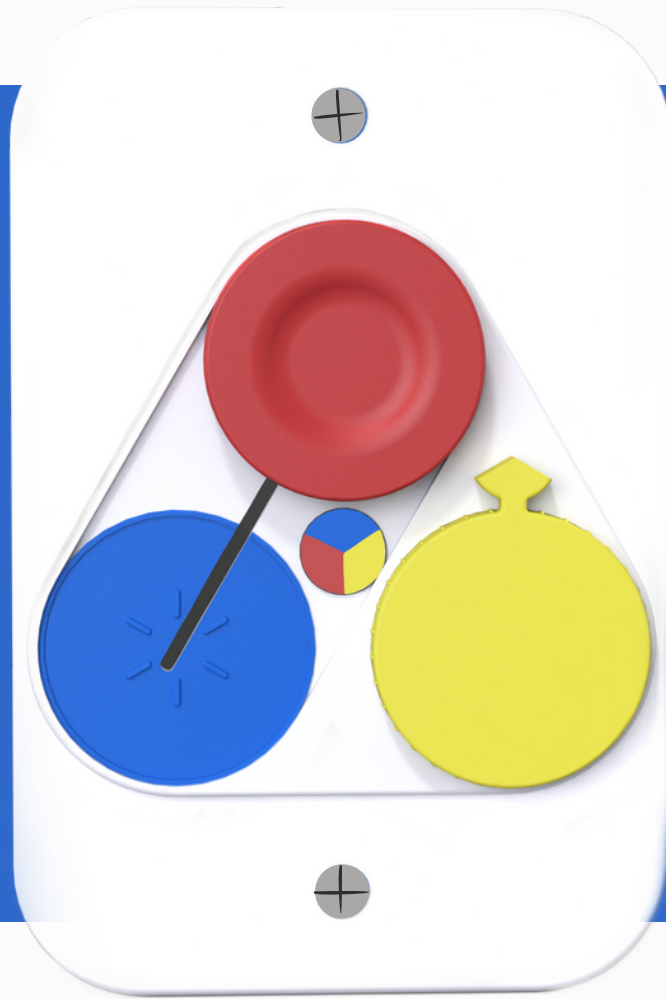
first 3d print

changing size

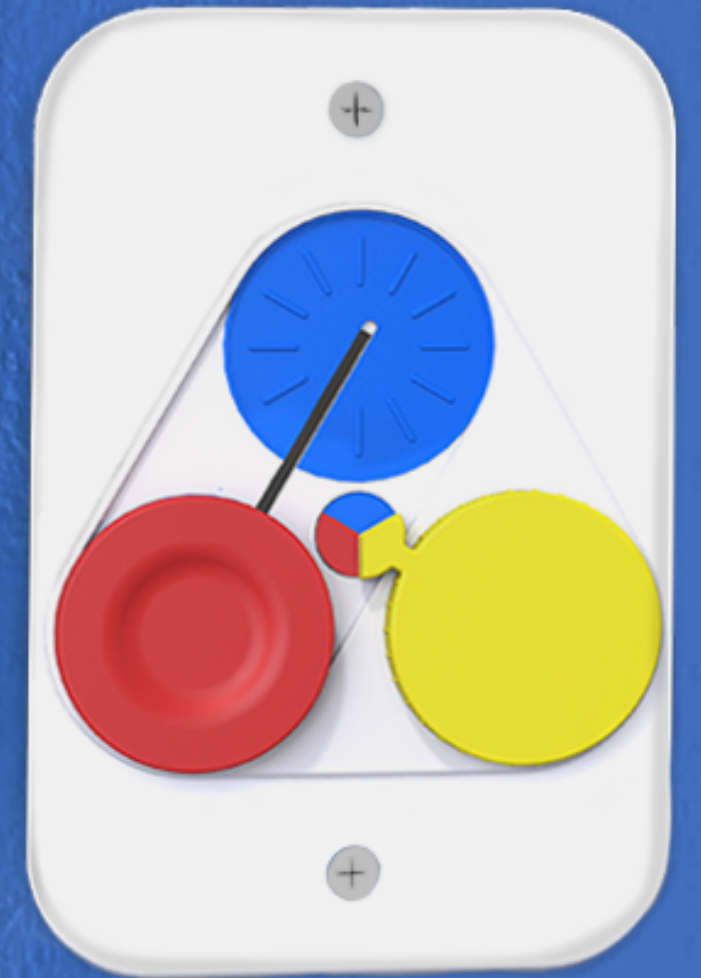
function



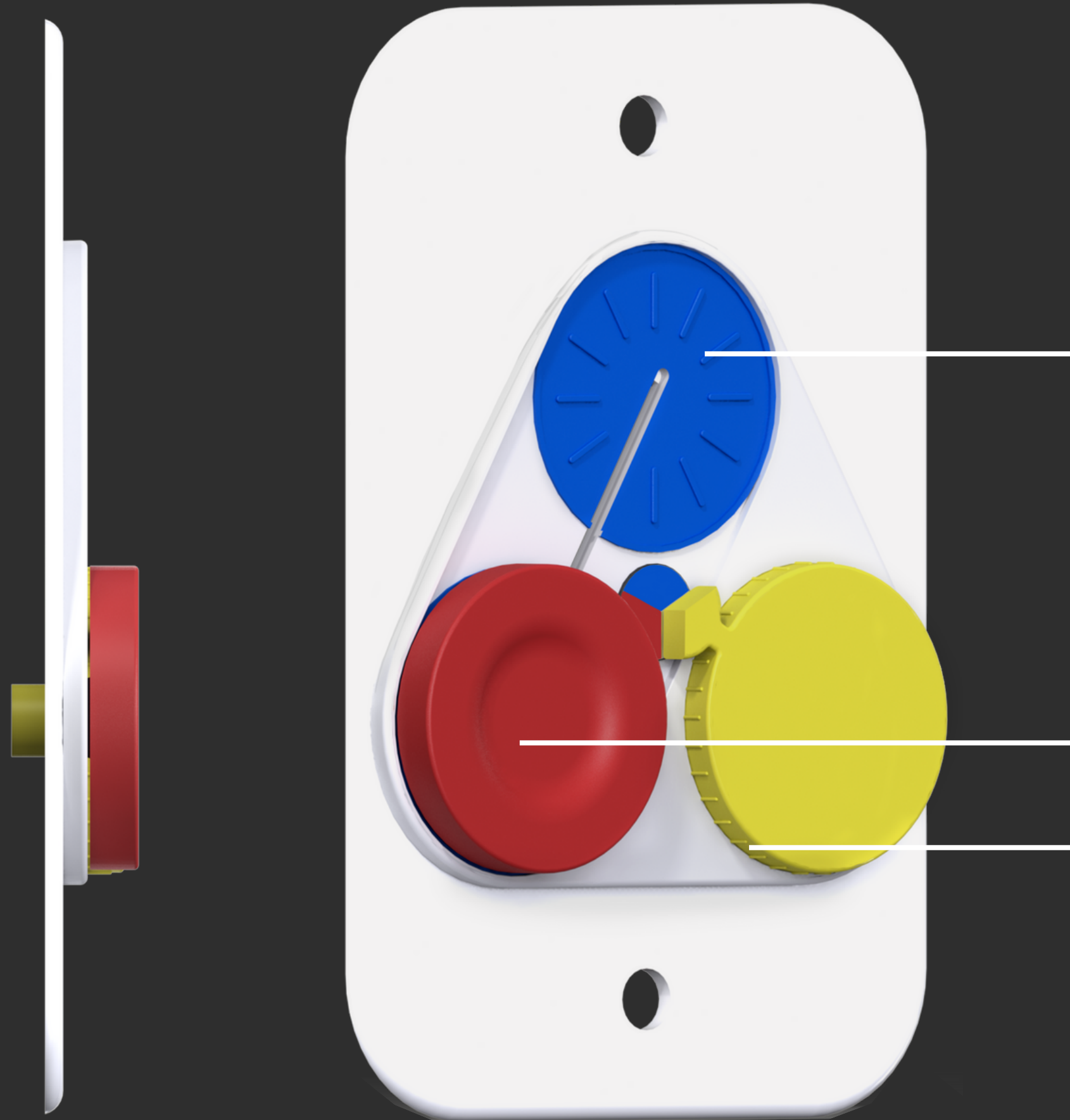
ON



OFF



features



textured rays to indicate
brightness level

indent for easy sliding

tactile ridges for rotating

how it works

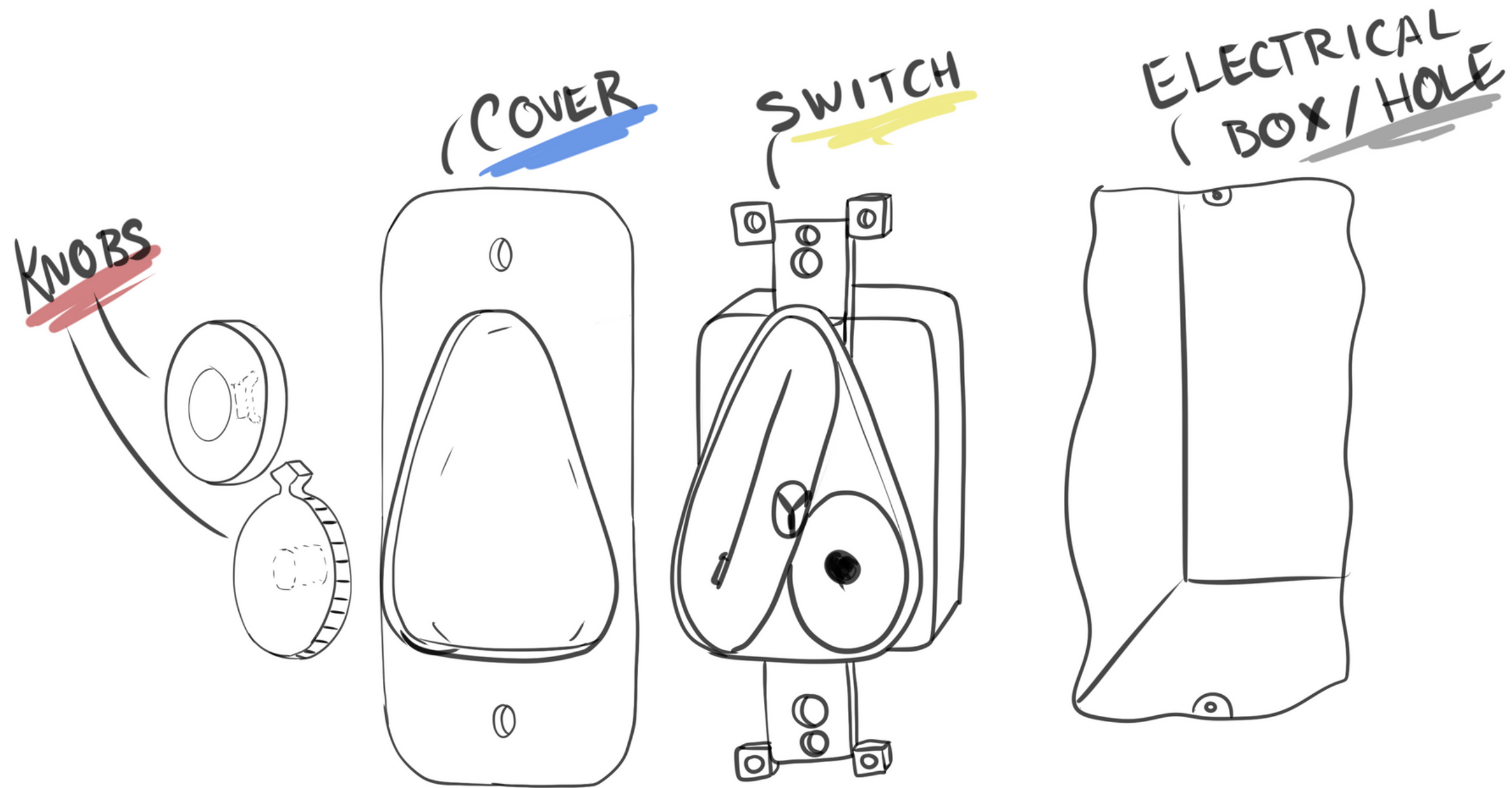


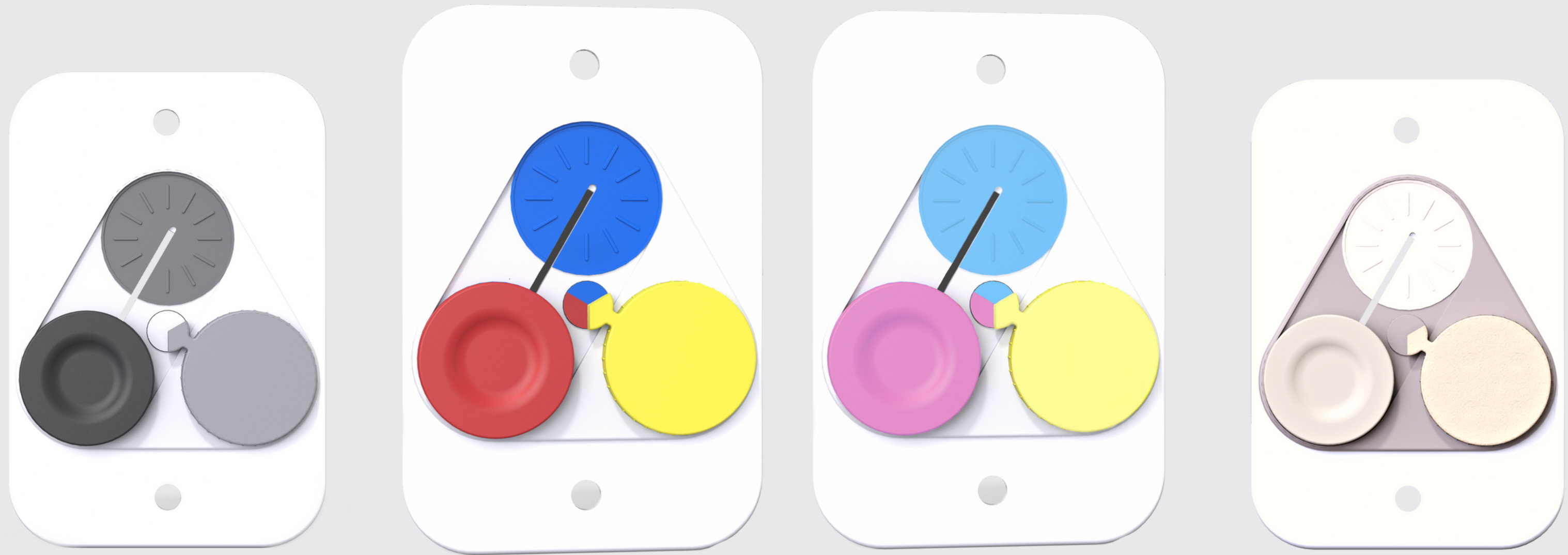
TURN ON - slide red knob up to turn on and yellow “ON” switch will rotate to left

ADJUST LIGHTING: slide red knob up or down to brighten or dim light

TURN OFF - slide red knob down and rotate yellow switch to its “OFF” position, completing the interior circle design

assembly





customization



colorful spaces



fits any style

final prototype

