

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**

human health

wildlife & nature

climate change

“What Is Light Pollution” Dark Sky 2023

**affects:**



**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

**functional**

unique

**playful**

minimal

customizable

belongs

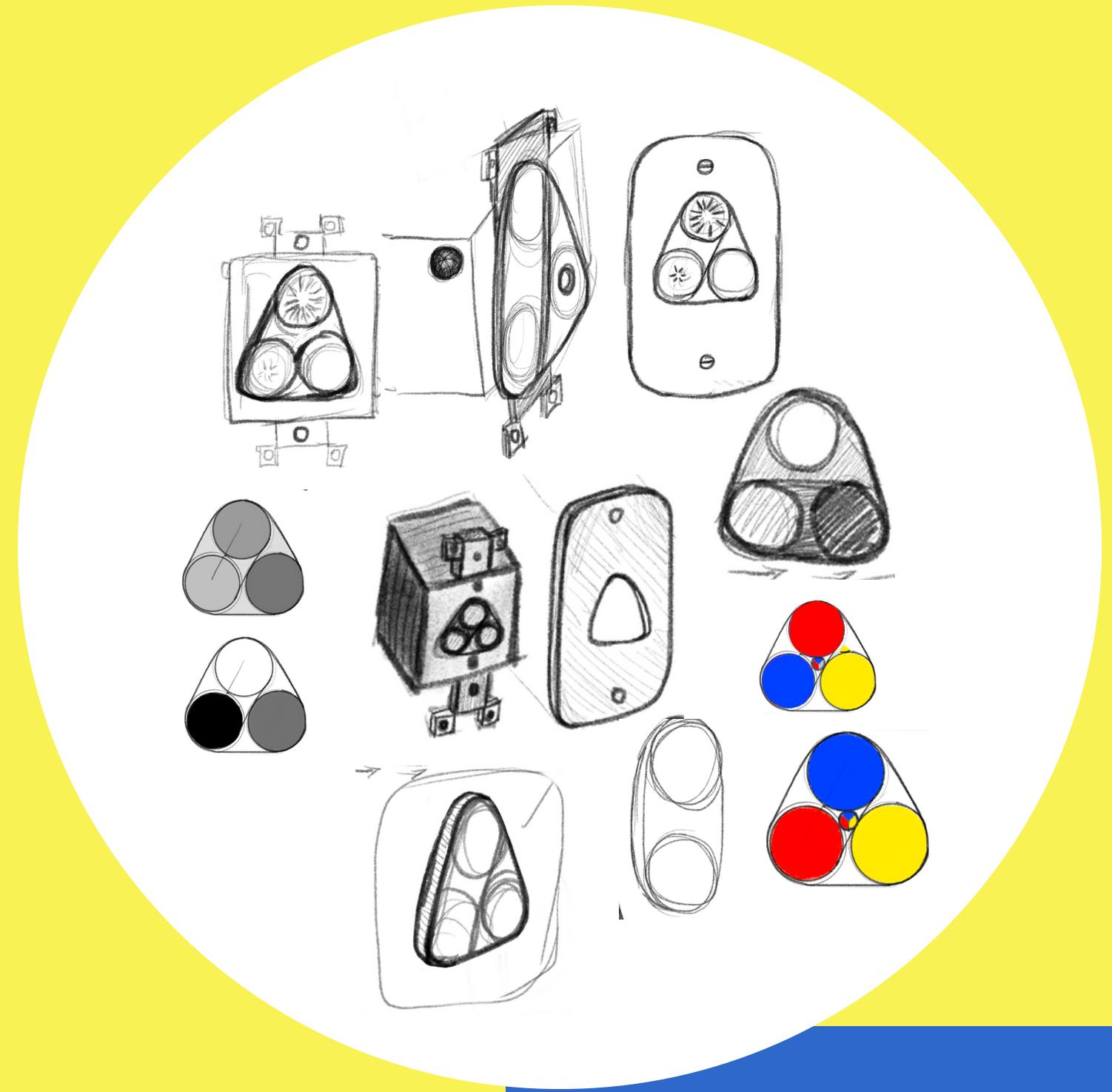
interesting

**decorative**

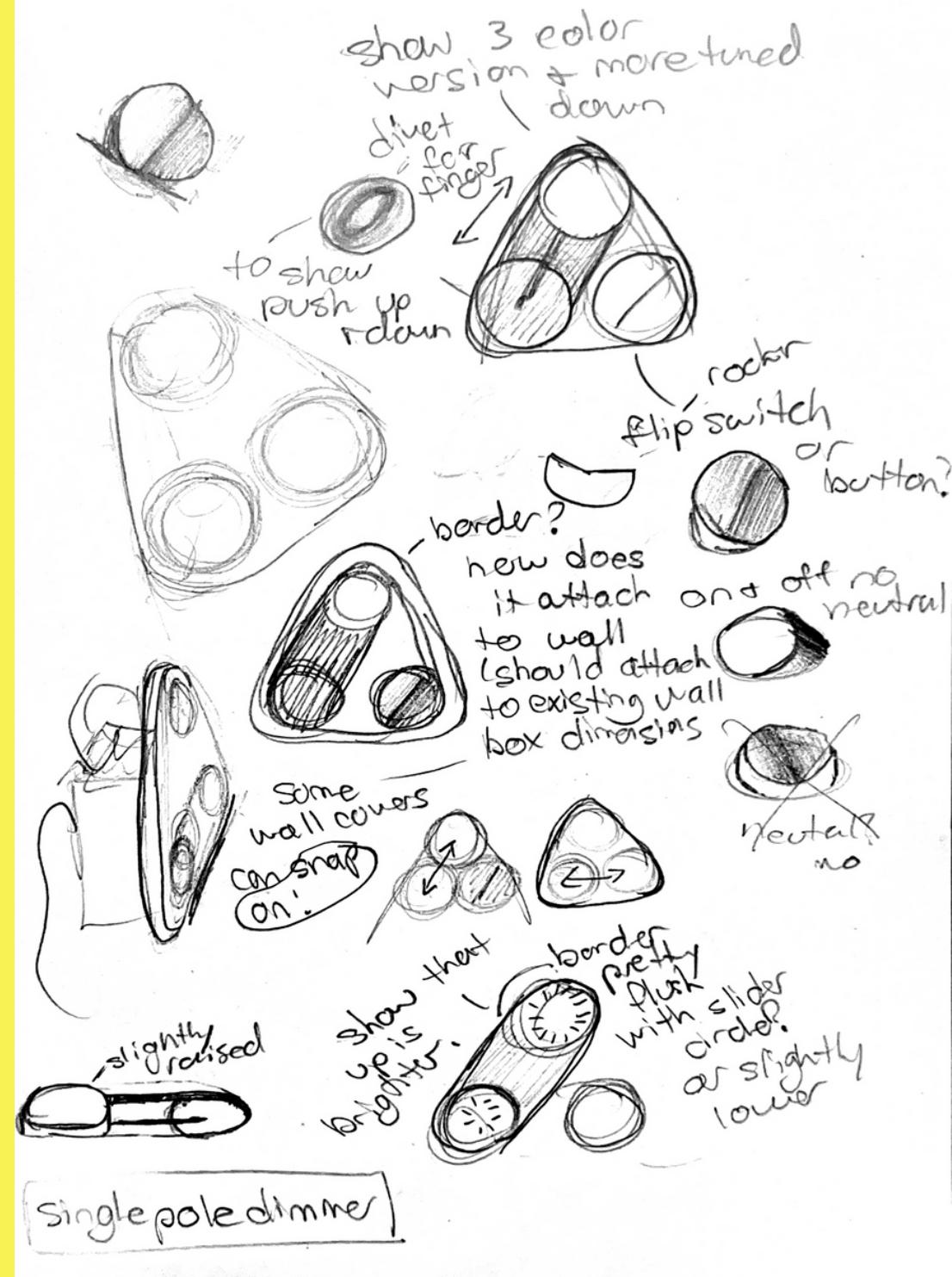


playful & modern design

# 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

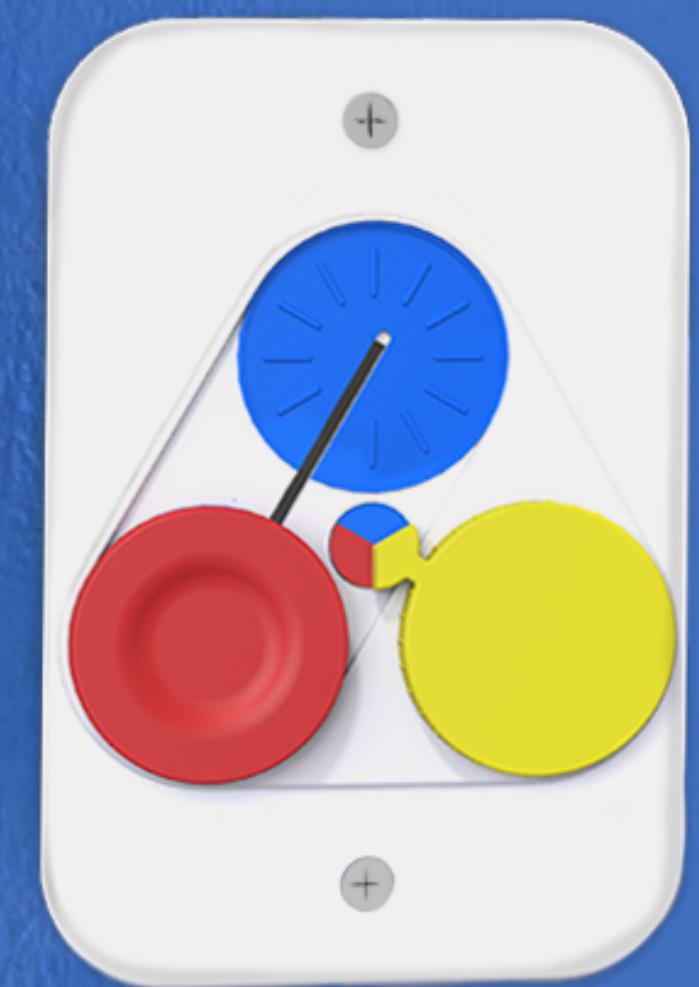
function



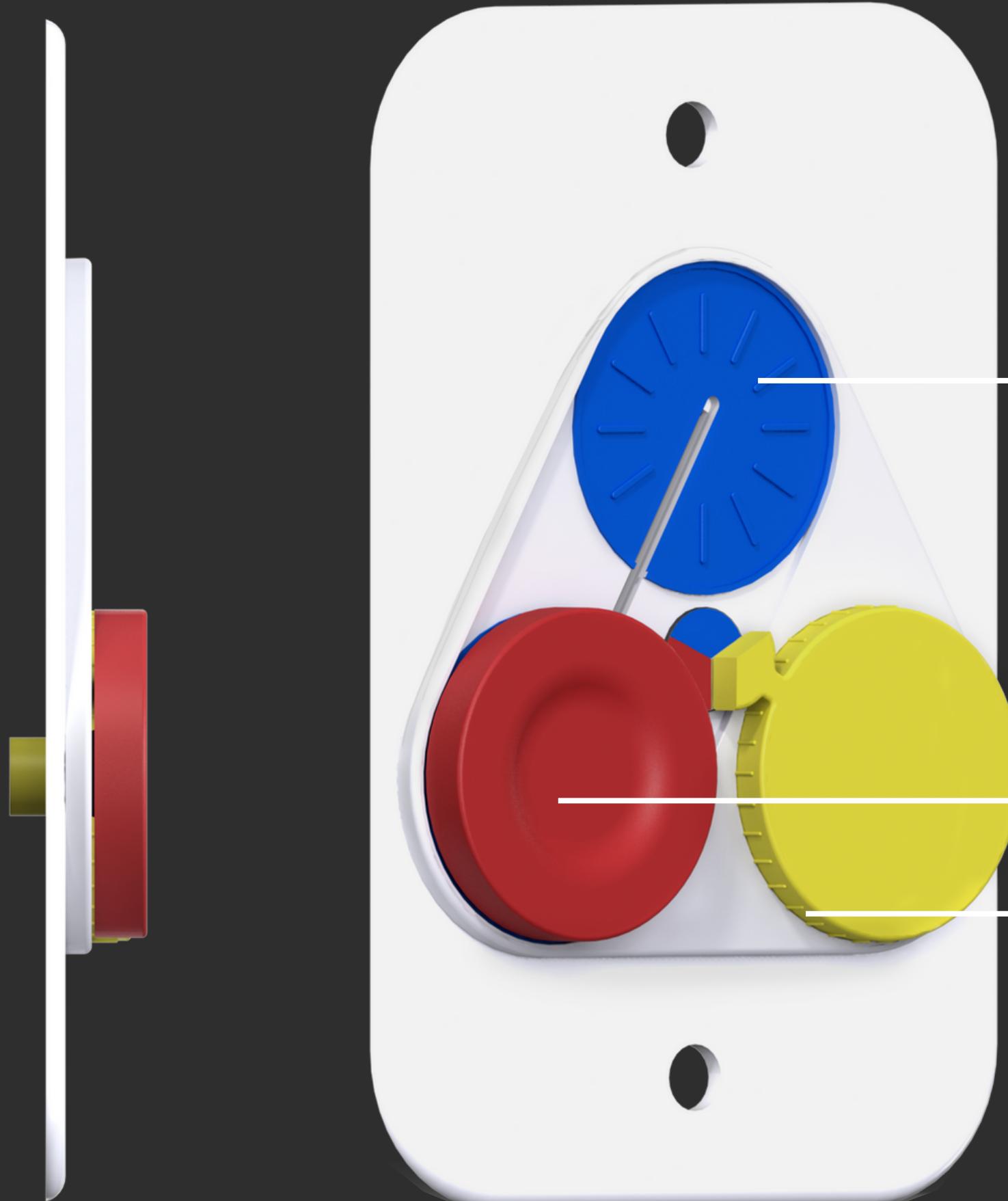
**ON**



**OFF**



# features



textured rays to indicate  
brightness level

indent for easy sliding

tactile ridges for rotating

# how it works

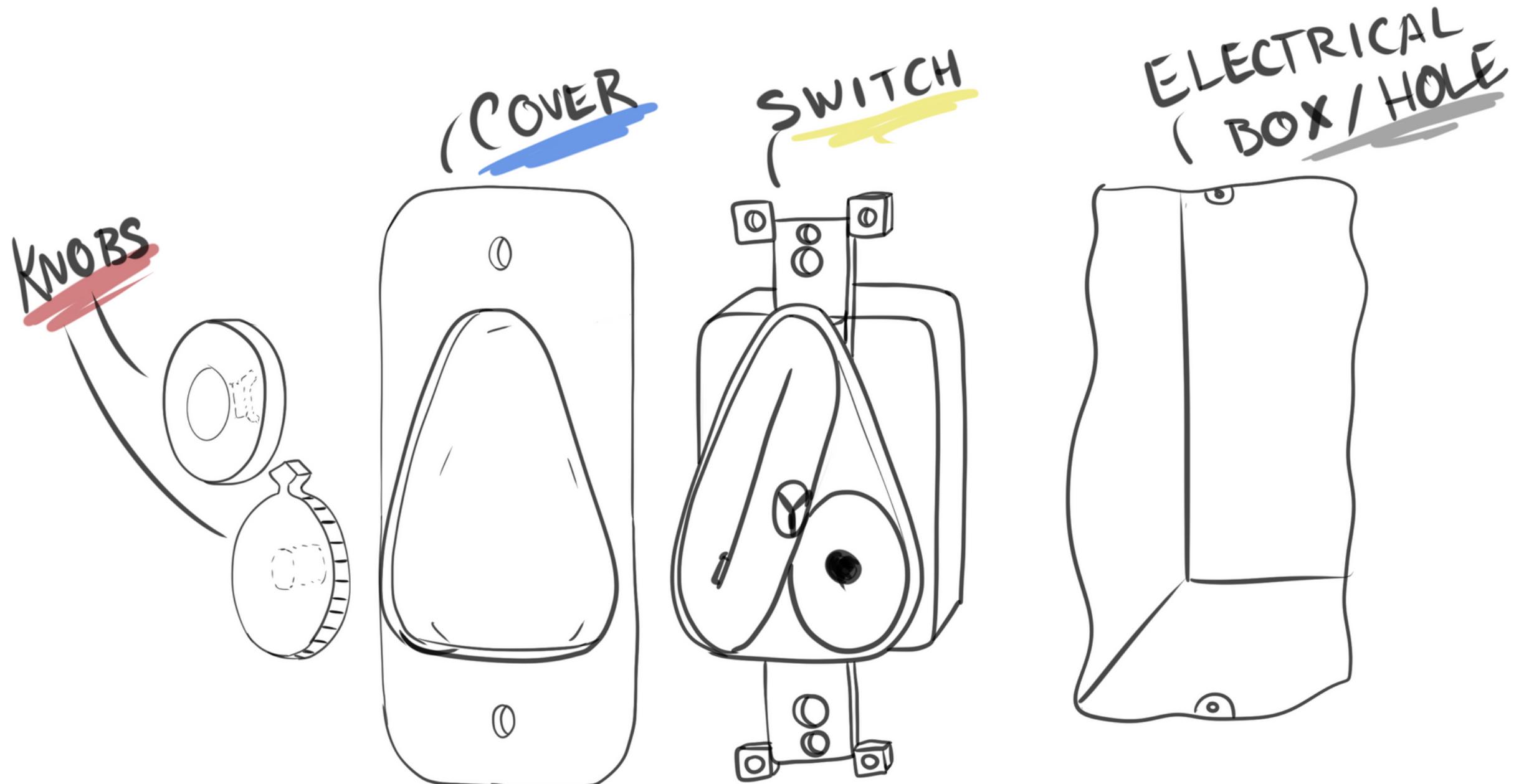


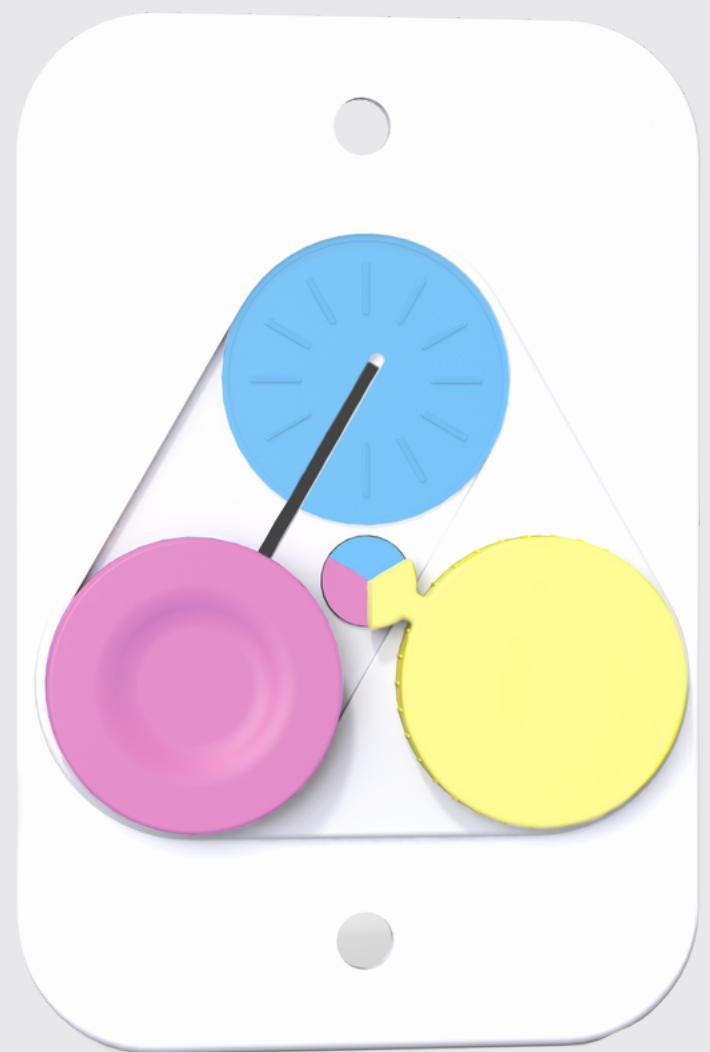
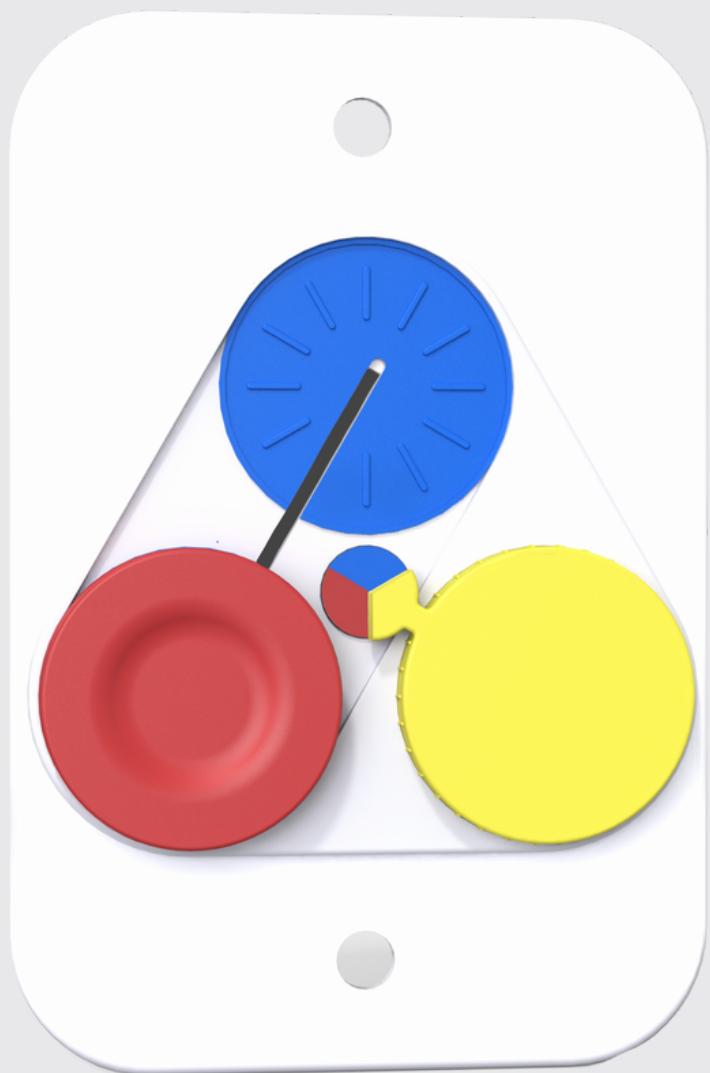
**TURN ON** - slide red knob up to turn on  
and yellow “ON” switch will rotate to left

**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 many styles



# final prototype

