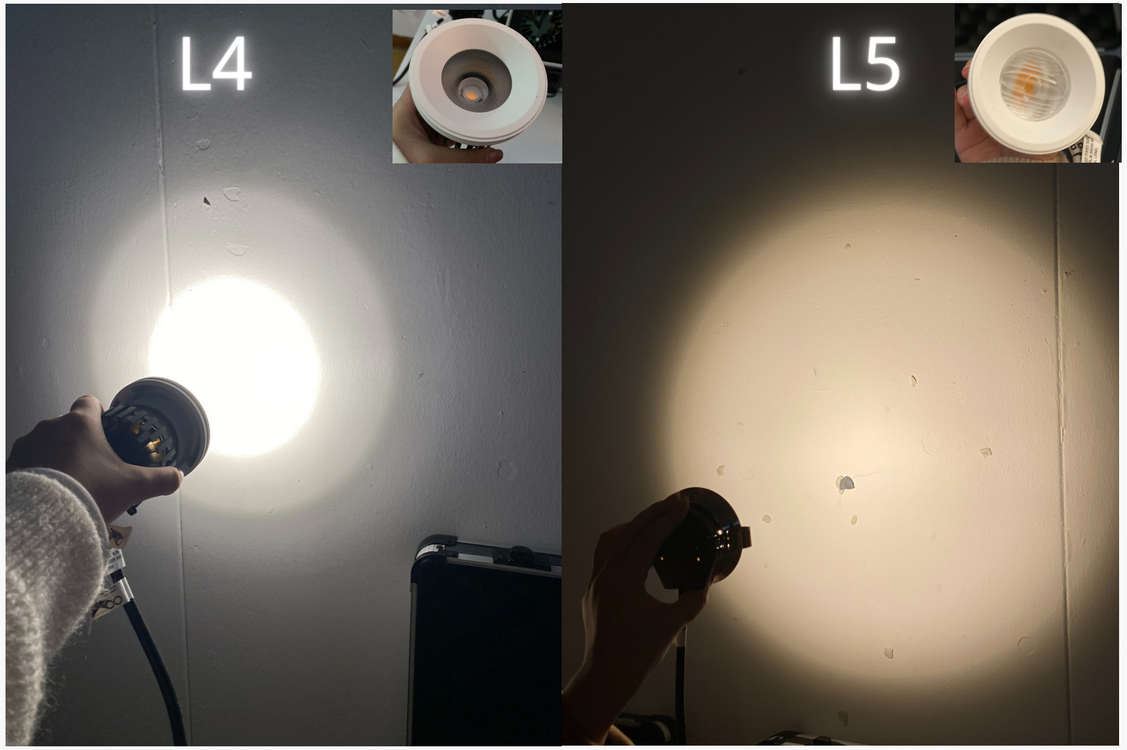
WEEK 5 TASK 1: Beam Quality



L1: sharp (purple cold lighting)
use prismatic optics,
L2: Sharp, use spread lens, (cold/ white color)
use aluminum reflectors

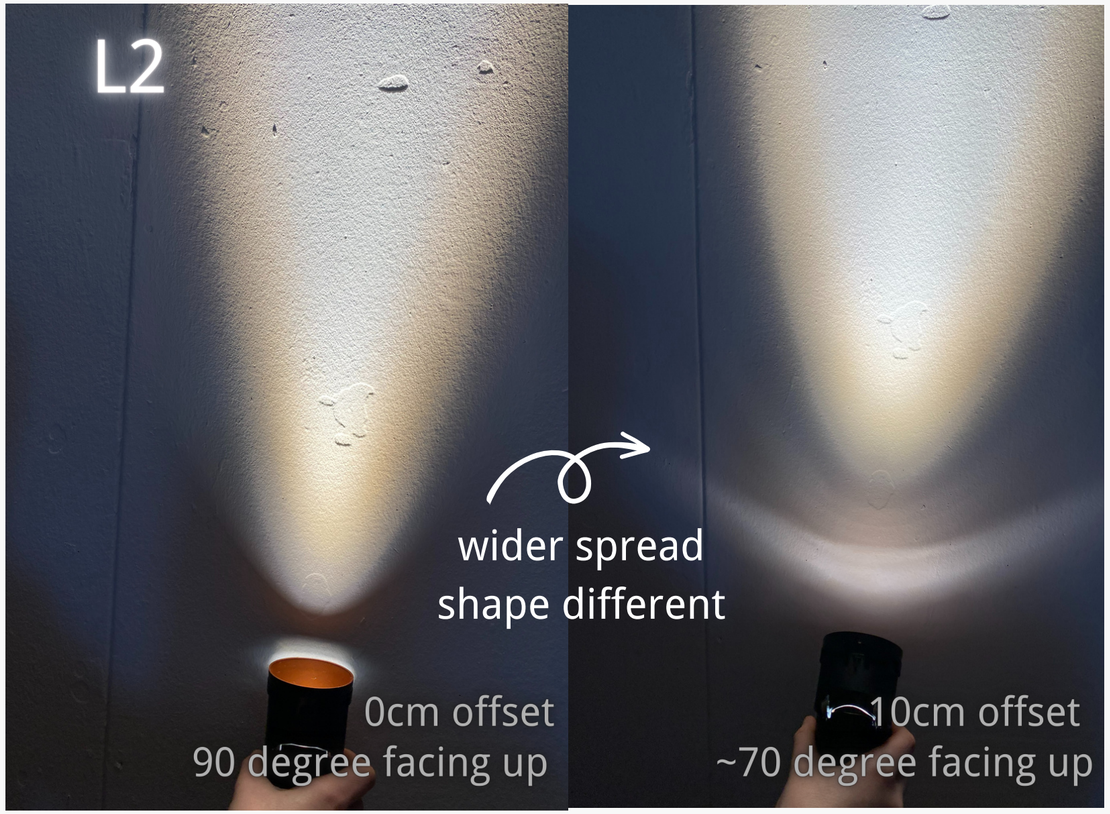
L3: Soft edging, use diffuser lens, (warmer color)
use aluminum reflectors

L4: sharp, use spread lens
(cold/white color compare to L5)
use aluminum reflectors, very smooth

L5: very soft edge; use diffuser lens
(the warmest color light among the five lightings),
orange peel reflectors

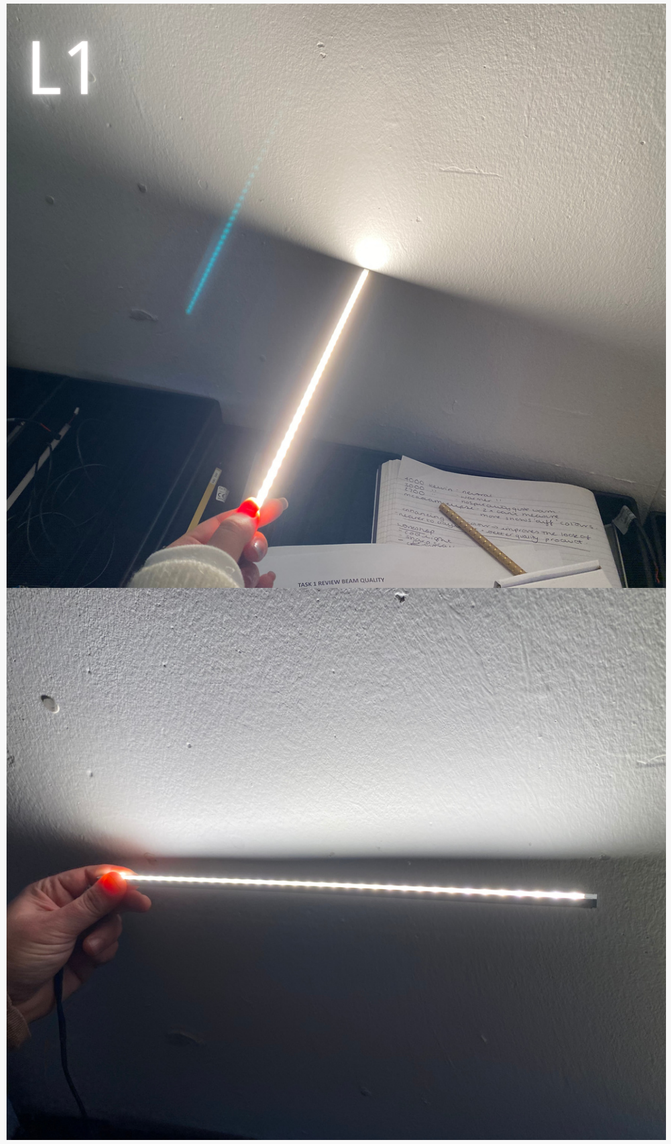
WEEK 5 TASK 2: Offsets and Scallops

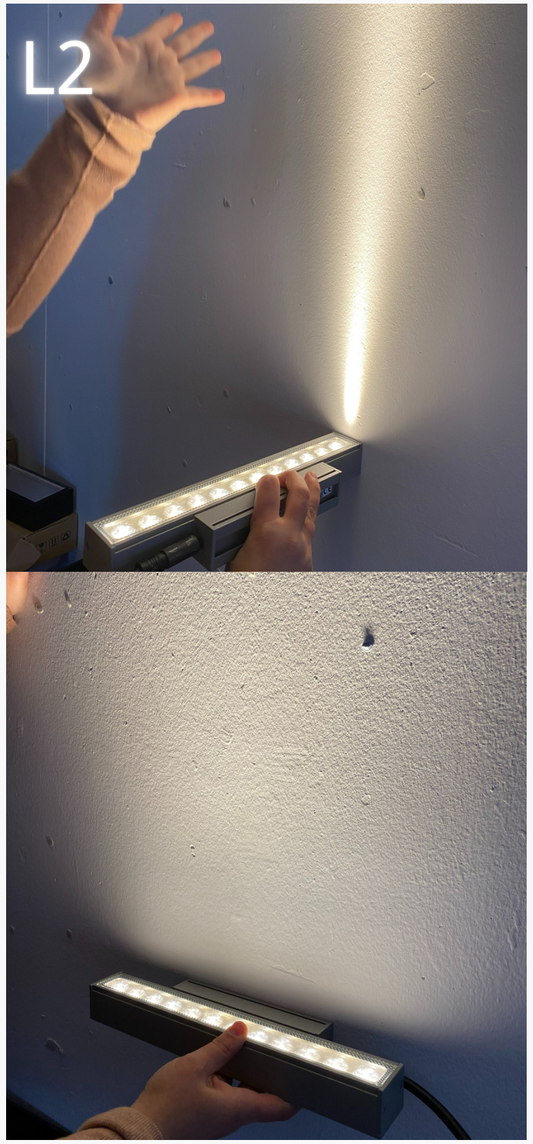
L1: [luminaire with wall wash optic]
Beam Shape: vertically wide flood, almost horizontal
Texture of Surface: smooth and very soft light
Beam Angle and position: There will be obvious horizontal edges on the wall when the front of the lamp is facing upwards, and when the front of the lamp exceeds the wall, a soft light cluster will be formed on the wall.

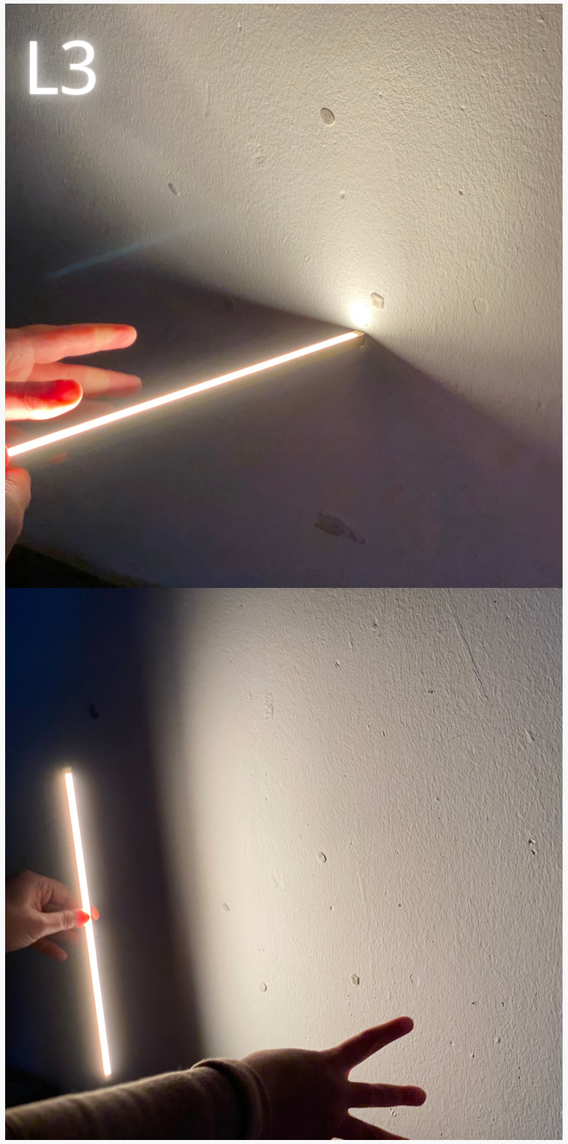


L2: [luminaire with wide or medium optics]
Beam Shape: estimated 25-degree narrow flood
Texture of Surface: rough and rigid light, with clear color transition
Beam Angle: By adjusting the angle from 90 degrees to 70, at which the lamp illuminates the wall, you can find that the shape of the light is different. And the speed of light becomes a wider flood.

WEEK 5 TASK 2: Offsets and Scallops (extra image)







WEEK 5 TASK 3: Color Temperature

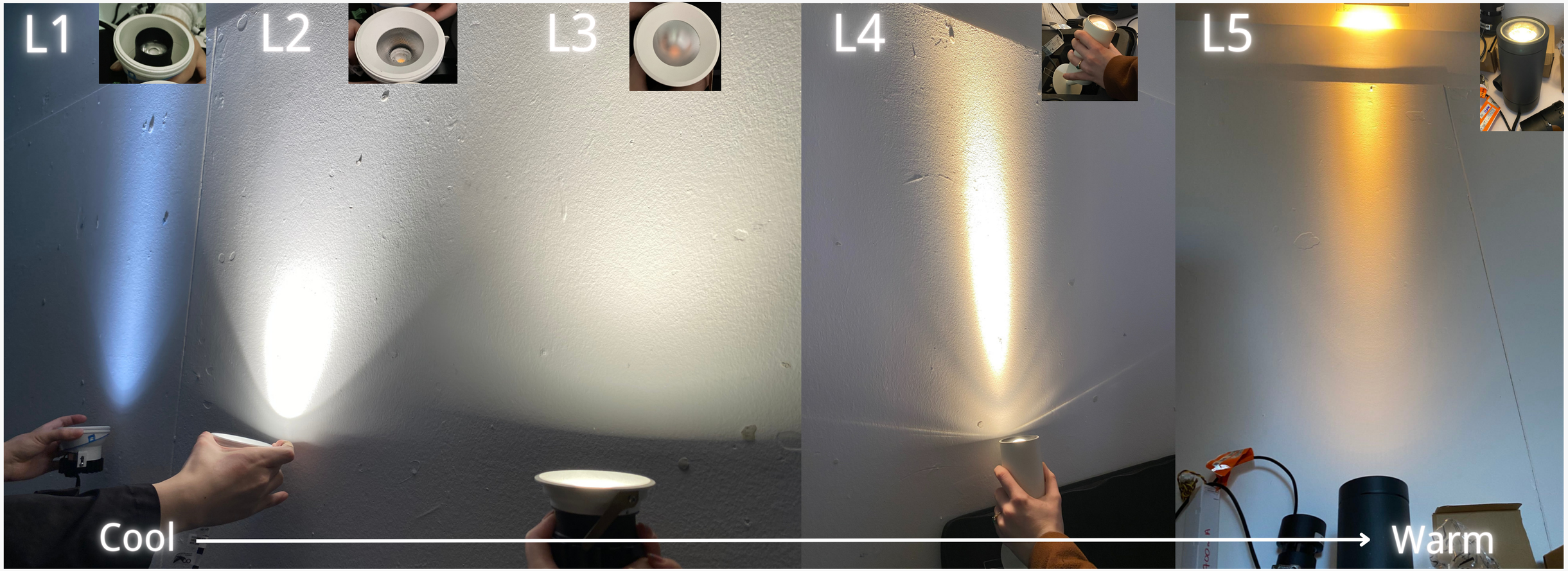
L1: LED White Spot Lighting

- Under Warm Light, the items look more delicious and tend to be a warm yellowish color with medium saturation.
- The human eye can clearly distinguish the colors of all items.

L2: LED Blue Spot Lighting

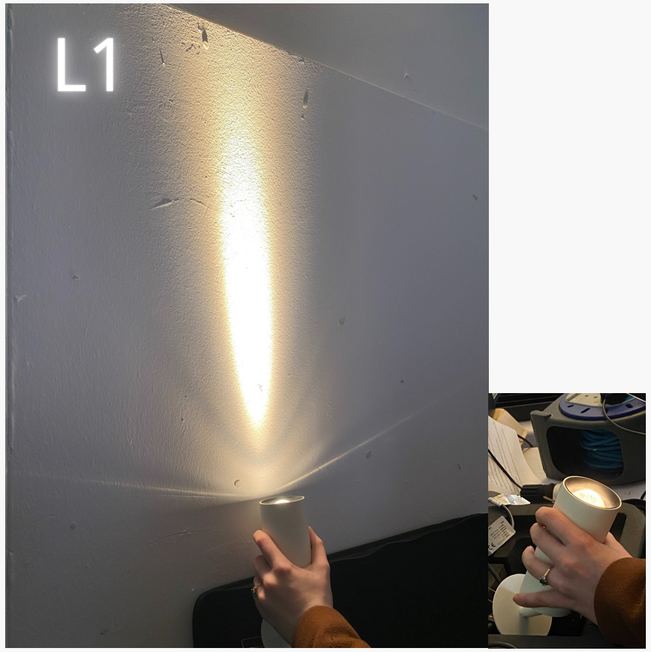
- Under Cold Blue Light, the fruits look toxic and tend to be a cool, dark blue with high saturation.
- The color change of the shoes is noticeable, when under warm light, the shoes are red, while under blue light, the red shoes became similar in color with yellow lemon and green apple. The human eye cannot distinguish the color and variety of the fruit.

WEEK 5 TASK 3 [more photos about color temperature]

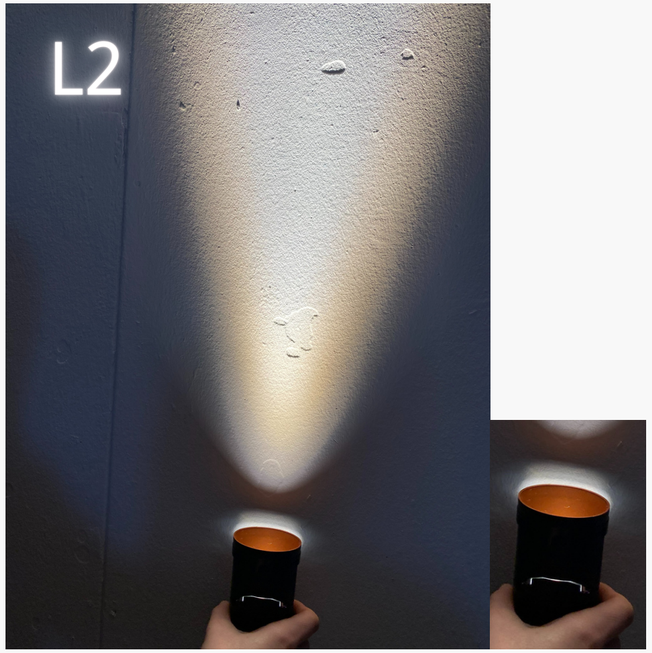


Color Temperature Comparison:
From the photo, we can see that L1 has the coldest color, and L5 has the warmest color temperature.

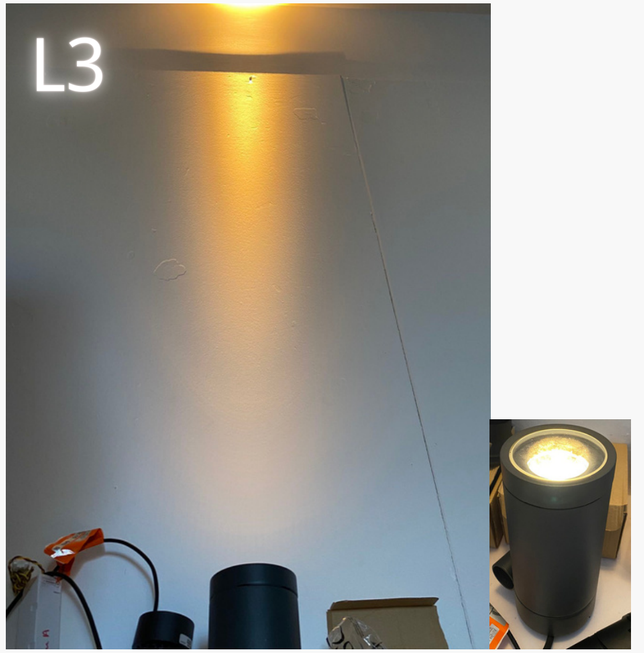
WEEK 5 TASK 4



Size: small (~8cm diameter)
Installation Method: track lighting, installed on the track, magnetized
Glare: less bright
Gear: integral
size and beam shape: narrow flood with wide flood bottom, accent light with round light spot



Size: medium (~15cm diameter)
Installation Method: track lighting is installed on the track
Glare: medium bright
Gear: Integral
size and beam shape: estimated 25-degree narrow flood with a clear edge



Size: very large (~25cm diameter)
Installation Method: recessed in the ceiling
Glare: brightest (almost Disability glare)
Gear: remote
size compared to luminaire: The beam is very far and large, directly to the ceiling instead of the wall