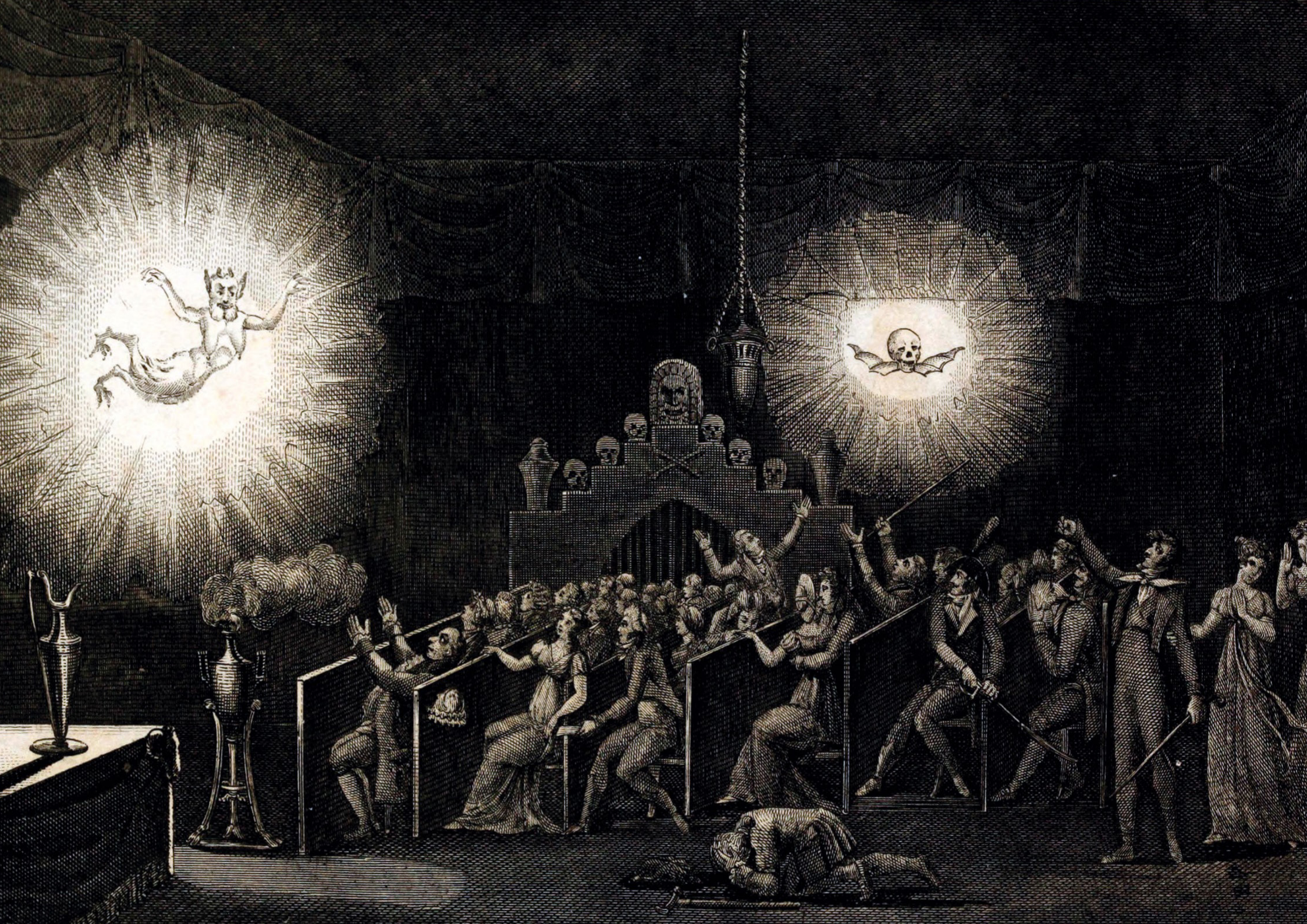
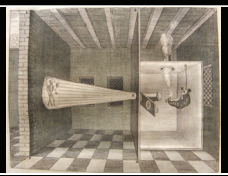
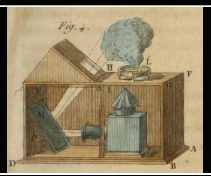
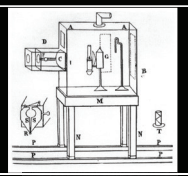
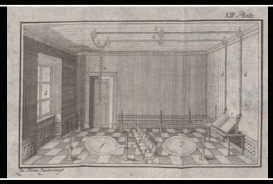
EIGENGRAU

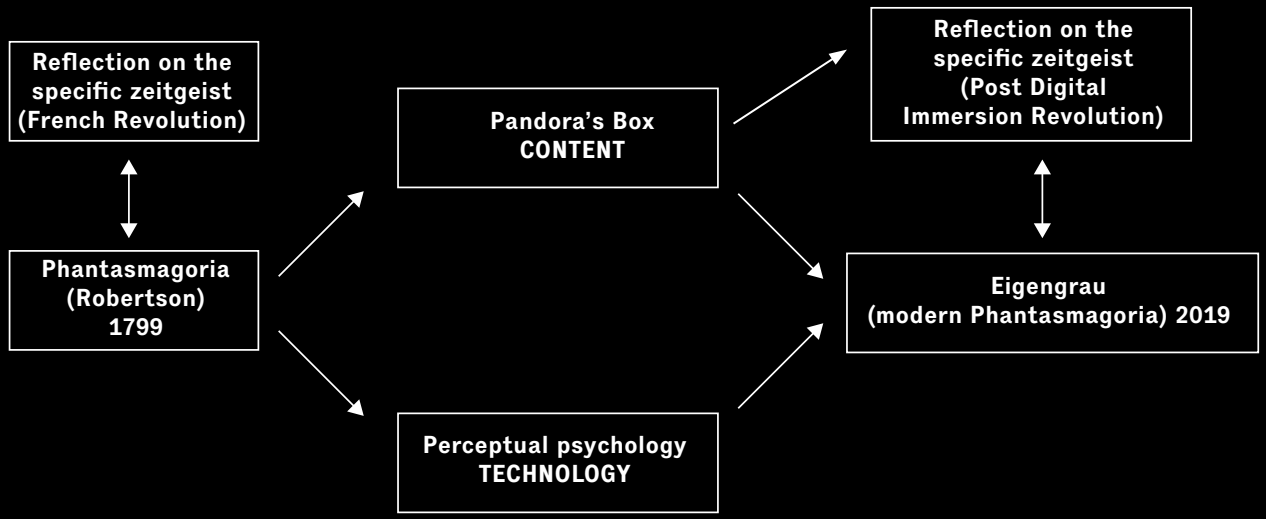


PHANTASMAGORIA ANALYSIS

historical order

Stage magicians	Athanasius Kircher	Esmé Gilles Guyot	Johann Georg Schröpfer	Paul Philidor	Étienne-Gaspard Robert “Robertson”
Media Object			smoke flickering	Argand lamp, which produced a much stronger light and thus enabled larger audiences to see the images mobile back-projection rolling on wheels	 rolling on wheels changing the zoom in and out smoke flickering semitransparent screen
Content	Metaphysical symbolism the original light source symbolizes God (lux) if the lens and the slide symbolizes an angel and man respectively, the image projected on the screen is furthest away from God, and properly depicts and symbolizes Death, demons and Hell		The first appeared in a beautiful white habit, the other in beige, the third in very ugly brown, almost black....the voices in which they answered his questions rang hollow, as if they had no larynx, which he called Ghost Speech.”		 Gothic novels contemporary politics ghosts demons witches supernatural exotic morbid association
Sound			hollow voices spoken through concealed tubes, and thunder sound effects	sound of the thunderstorm	glas harmonica sound of the thunderstorm
Analysis					2 days before the event the audience had to deliver a photograph of the person to be able to get in contact
Scenography Location	Jesuit theater in Rome		assistants dressed as ghosts coffeeshop Leipzig audience standing in a circle		each will show himself in a different manner; one arises as already noted out of the floor, the second appears suddenly and is entirely there, the third appears from a gray cloud and evolves slowly into a figure that can be recognized clearly from his countenance. abandoned Capuchin monastery little electronical shock effects in the chairs
Time					1 h 30 min
Why?	pressed the laterna magica into the service of the Jesuits' propagatio fidei in order to put the fear of God into their audiences by illuminating the devil				the 18th century society was believing in superstitious a lot

PHANTASMAGORIA ANALYSIS



PHANTASMAGORIA – EIGENGRAU ANALYSIS

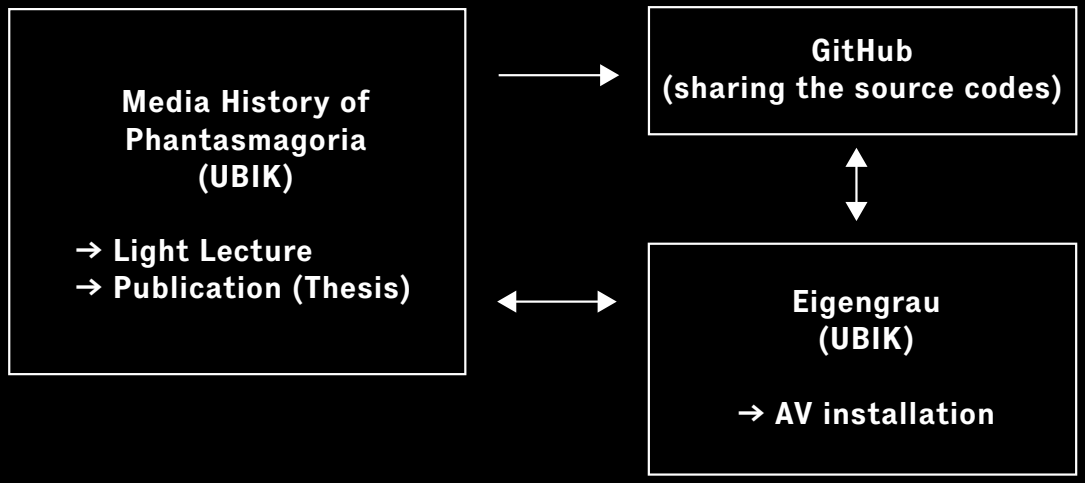
220 years

Robertson – Phantasmagoria (1799)

Eigengrau (2019)

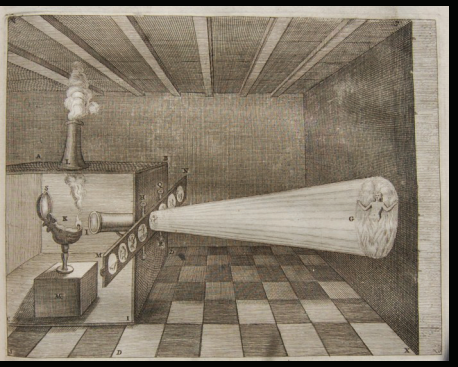
Technology **(Perceptual psychology)**	context – entertainment purpuse discarded Capuchin monastery	PinkPank – old freemason temple transformed into a club
	total darkness - eigengrau effect	total darkness - eigengrau effect
	spatial sound - glas harmonica sound of the thunderstorm	spatial sound - 4D sound glas harmonica, drone and noise sound
	flikker effect by fast changing of the images in front of the lens	flikker effect by LED curtain strobe effect and the fast moving of the mirror anticipation state high state
	afterimages (ghosts appeared in the brain)	afterimages (images appear into the smoke and move further in the brain)
	projector rolling on wheels changing the zoom in and out	moving mechanically the lens between the light source for different light beam effects
	using smoke as a projection screen smoke becoming an interface	using smoke as a projection screen smoke becoming an interface
	Argand lamp, which produced a much stronger light	
	technology (mechanism) is not visible	
Content	reflection at the zeitgeist – French Revolution (1798) - uncertain future	reflection at the zeitgeist – Information Age (2019) – unknown future
	Pandora's Box myth as reflection at the zeitgeist	Pandora's Box myth as reflection at the zeitgeist – Pandora's Box = Internet
		The ritual mode of communication (Carey) Individual vs Collective
		Pandora's Box - only hope remains inside - symbolising with blue color - shape of the installation - reference to the vase (?)
		lucid dreaming, alpha waves, Liminality

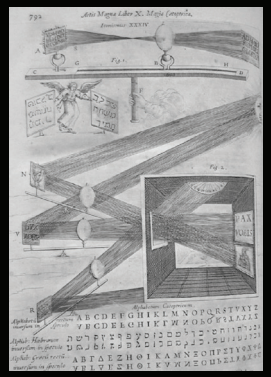
GRADUATION PROJECT SETUP

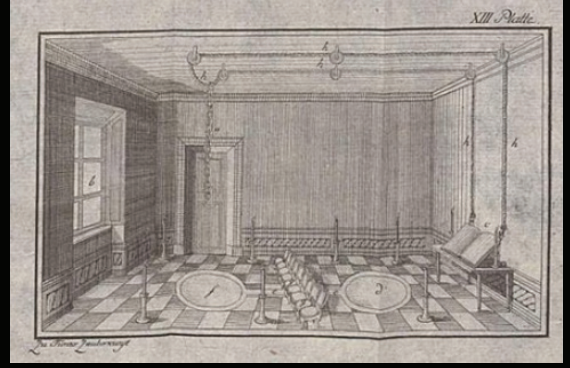


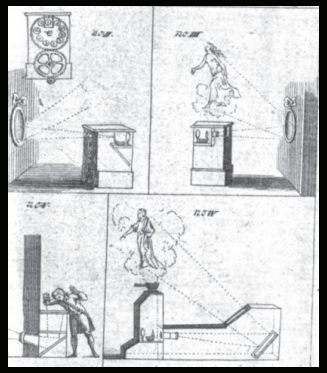
EIGENGRAU
INSTALLATION

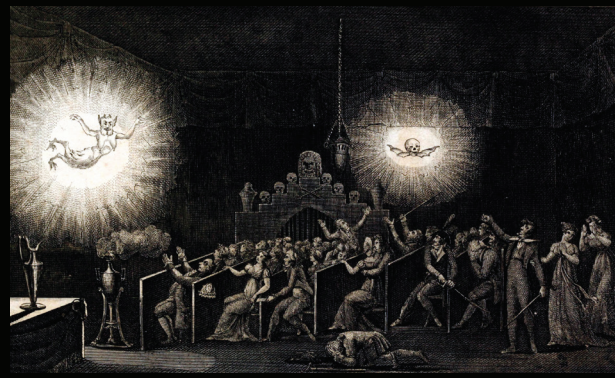
PHANTASMAGORIA SETUP RESEARCH



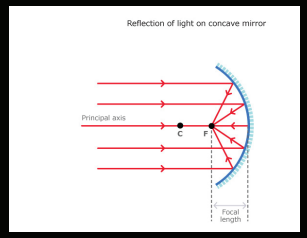


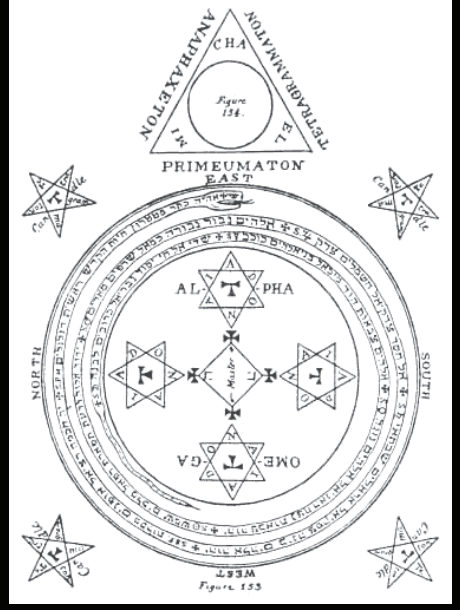




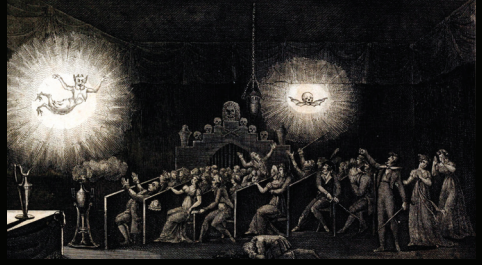


MOODBOARD

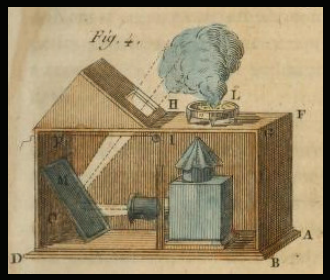




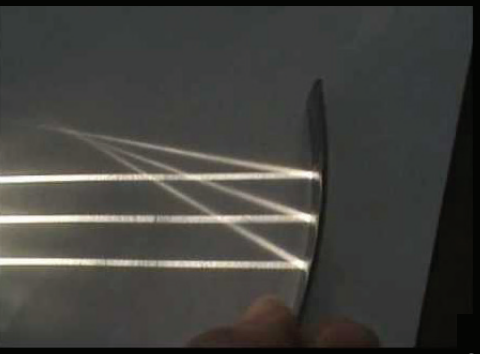
MAGIC CIRCLE



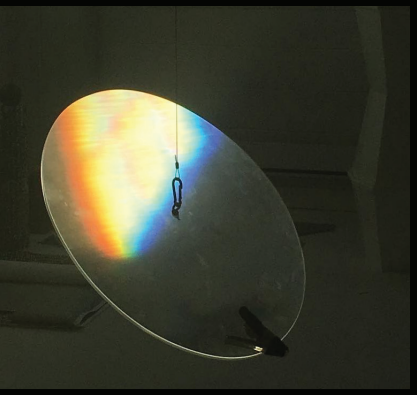
PHANTASMAGORIA



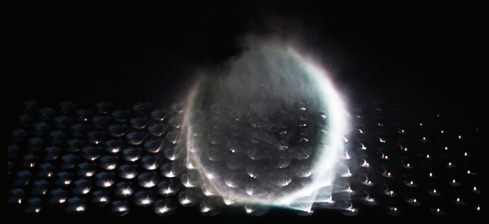
CLUB CONTEXT

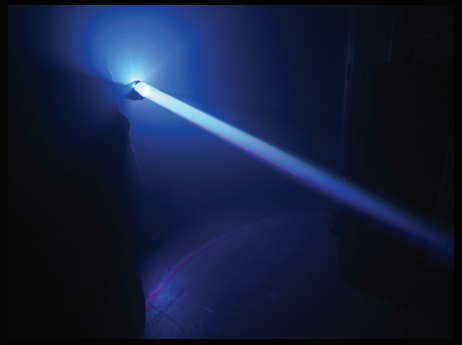


CONCAVE MIRROR



SMOKE



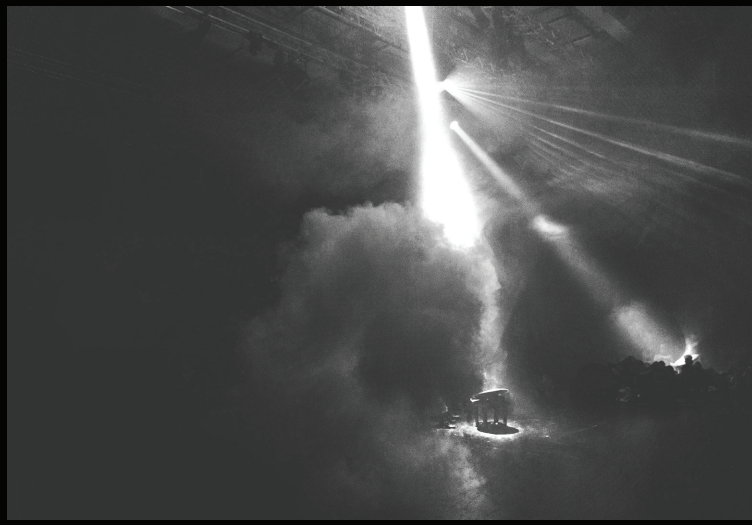


CONVEX LENSES

SPIRITUALISM

REFLECTION OF OUR ZEITGEIST = POST DIGITAL IMMERSION REVOLUTION

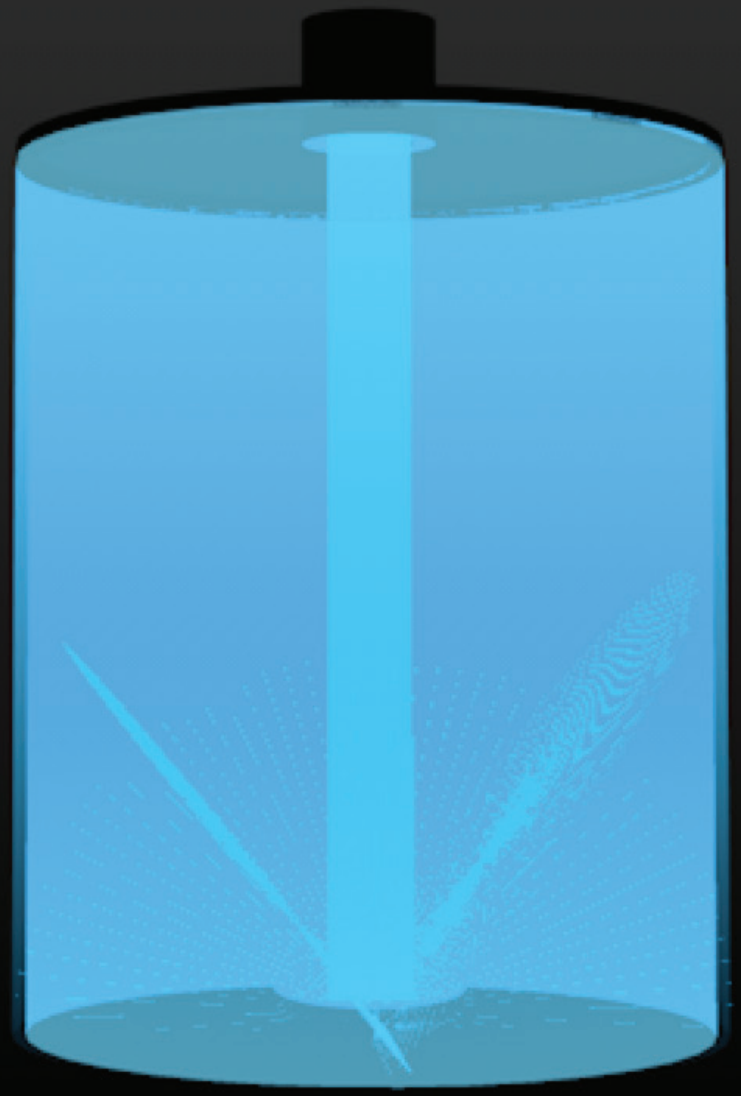
RITE



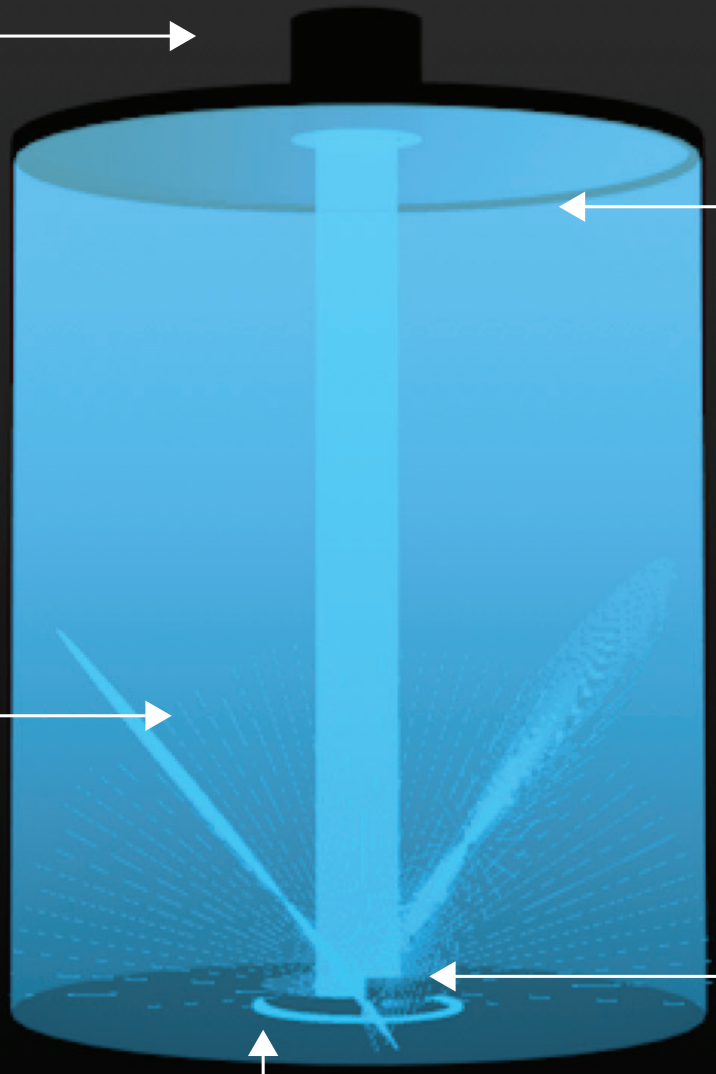
THE OPENING OF PANDORA'S BOX → METAPHOR

SEANCE

EIGENGRAU SET UP



EIGENGRAU SET UP



12W blue LED light beam with moving lens to change the light beam

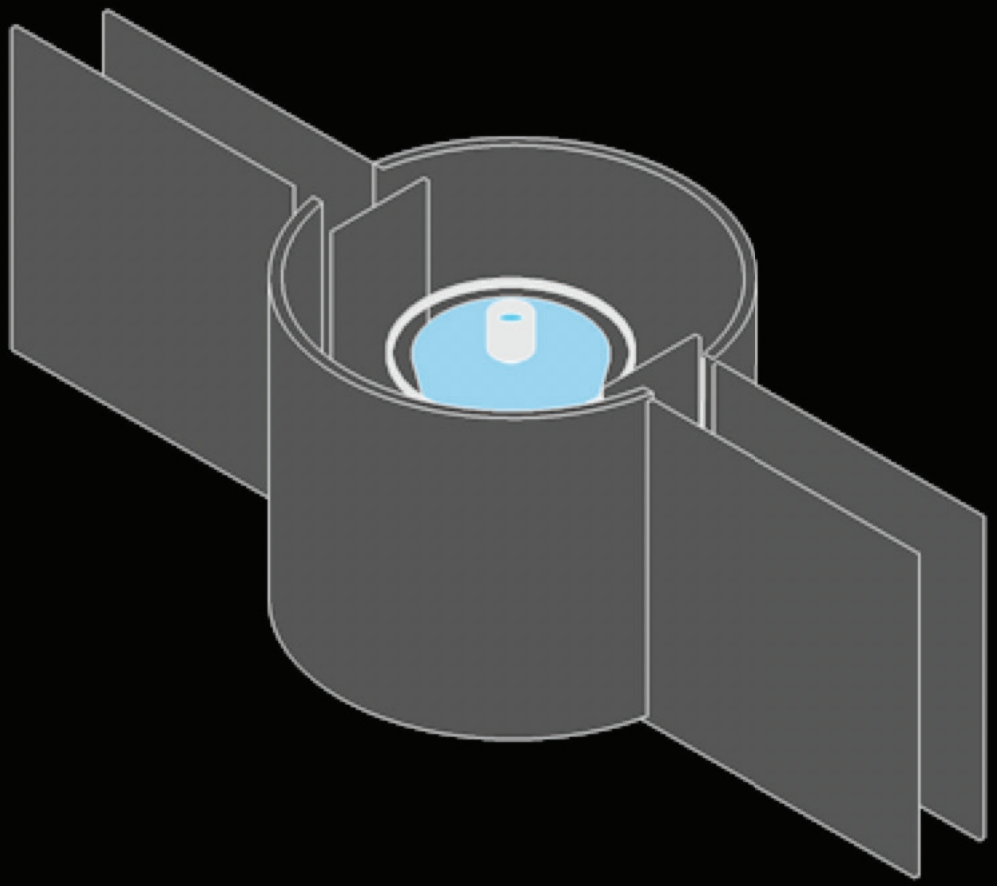
RGBW LED strip creating a curtain effect

reflections in the smoke (afterimage effects)

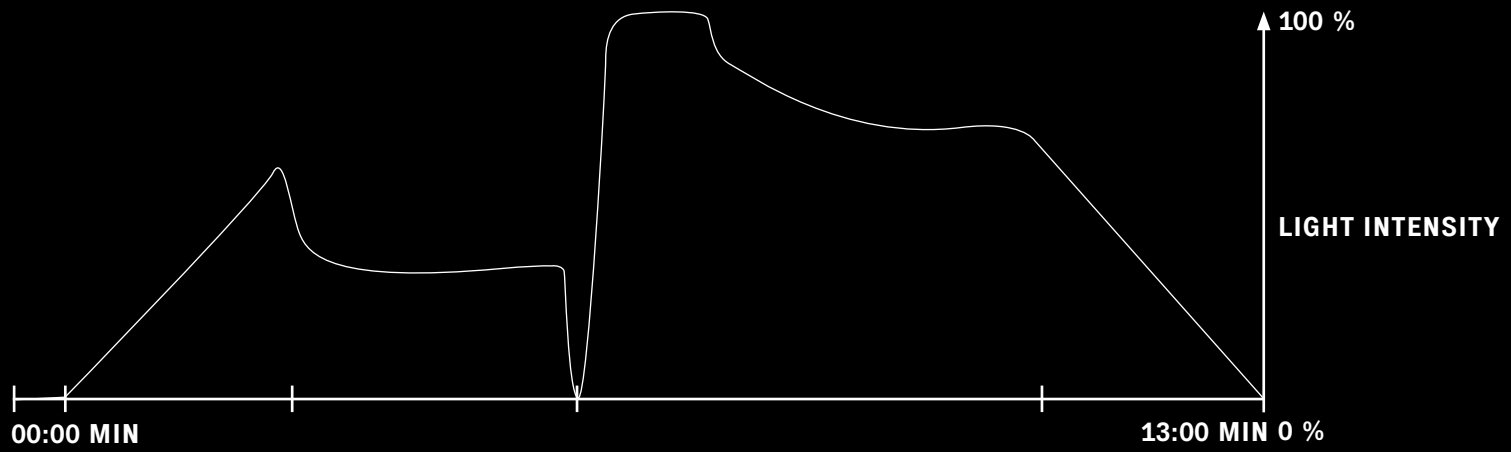
rotating mirrors

haze coming from underneath

EIGENGRAU
UBIK



TIMELINE



1. DEEP STATE (00:00 – 00:30)
2. ANTICIPATION STATE (00:30 – 03:30)
3. CONFORTABLE WEIRD STATE (03:30 – 05:00)
4. HIGHER STATE (05:00 – 10:00)
5. RELAXATION STATE (10:00 – 13:00)

MISE EN SCÈNE

1. DEEP STATE
0:00 – 0:30 min

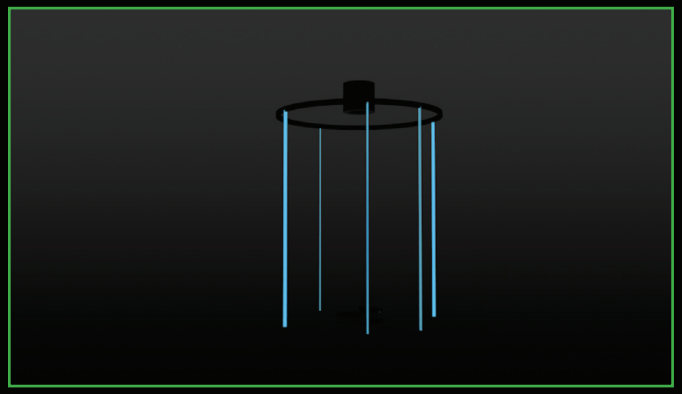
NARRATIVE
mental cleanse

cleaning up the mind
pre meditation state
there is something, but you don't know what it is. Tangible but not.
leaving behind yourself
going back to yourself
restart of the brain

individual experience - not knowing if there are other people
disconnecting from reality

VISUAL
total darkness
eigengrau (brains grey) effect

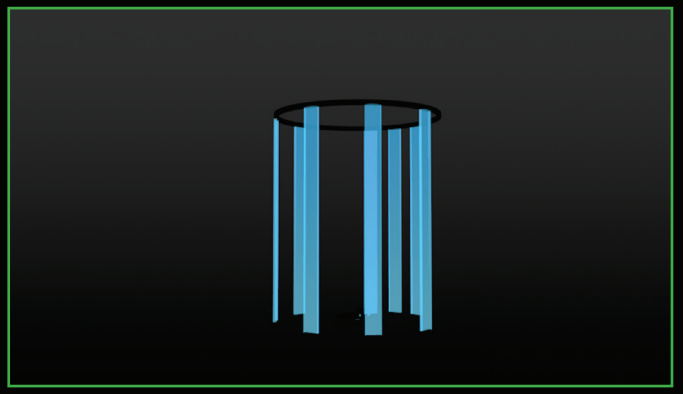
SOUND
sound starts after 10 sec
quick subtile noise sounds coming in irregular intervals from different sites
weird sounds



2. ANTICIPATION STATE
0:30 – 3:30 min

NARRATIVE
creating attention that something will happen in the middle
being prepared for something new
curiosity level begins:
where I am?
are there other visitors too?
what I am experiencing now?
disorientation through sound and light coming from the opposite directions
building up excitement
audience is spread in space
breaking the link to reality

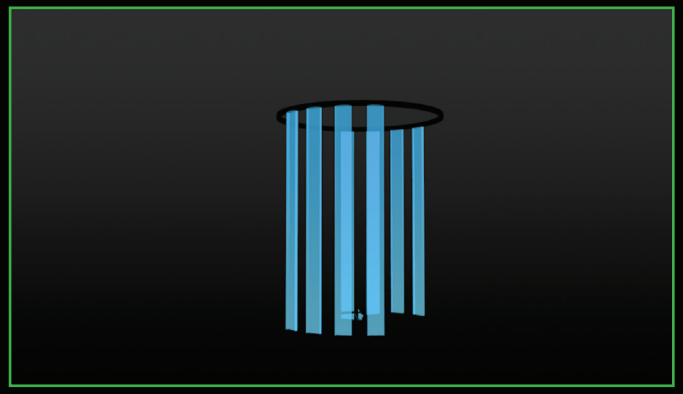
VISUAL
cinematic
curtain led circle top + button

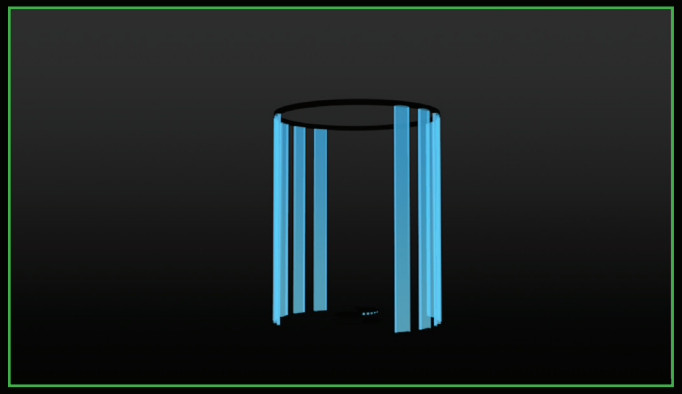


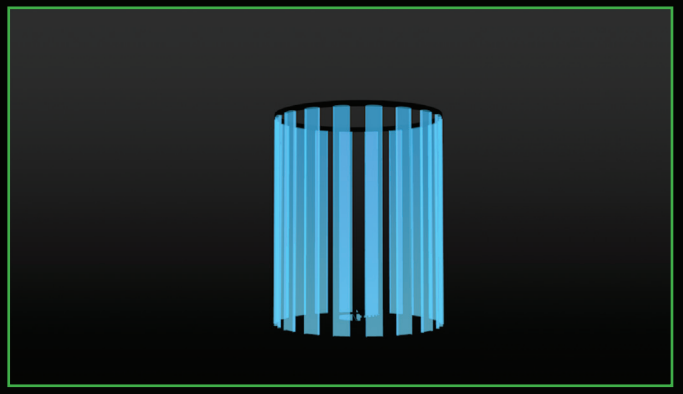
- first only small 1 px appear irregulary
from 3:00 min from the irregular 1px -10px grid starts to begin
slow and later faster strobe effect
button and top
from 4:00 min 50 px grid gets faster strobe
top and button runs in the opposite directions

white color
visitors think that at the fastest moment all the lights will appear
afterimage through strobe - disorientate people
interplay of the two rings
first irregular - later regular
faster and faster

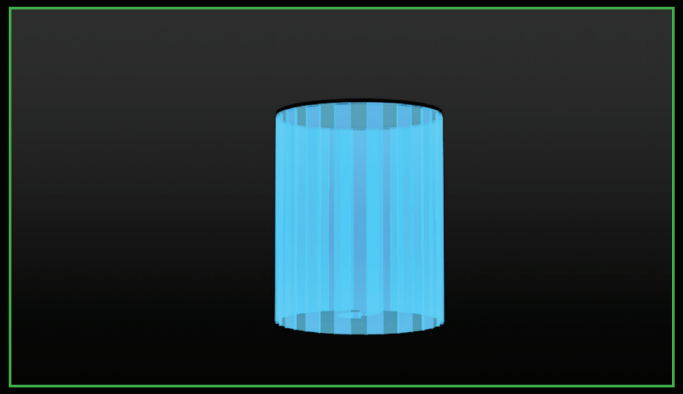
SOUND
rythmical sound - roly porter

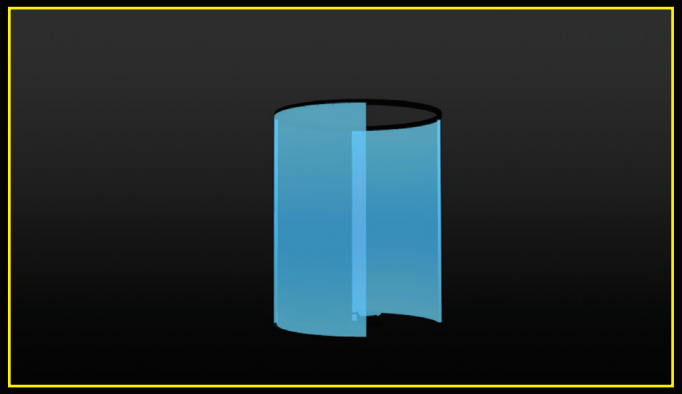


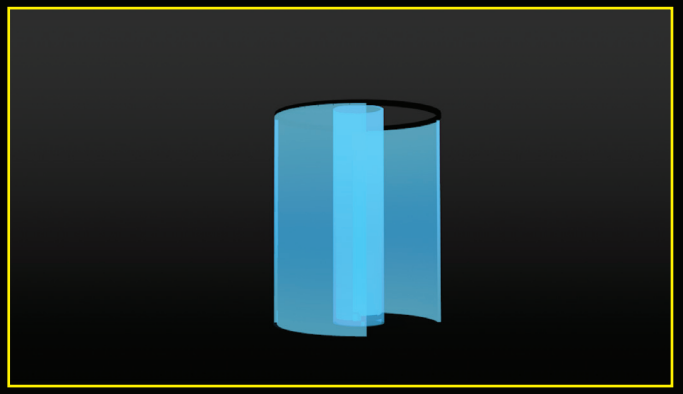




MISE EN SCÈNE





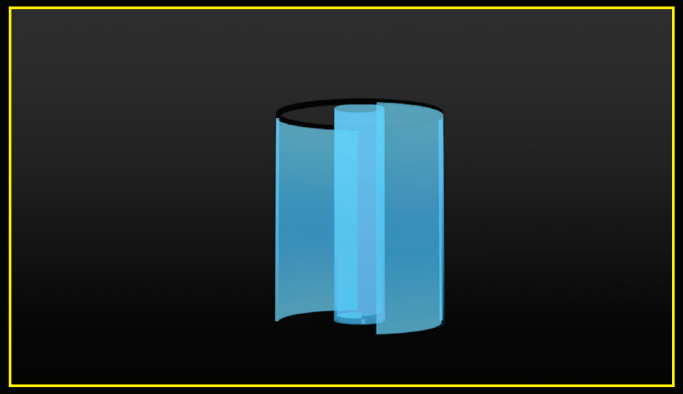


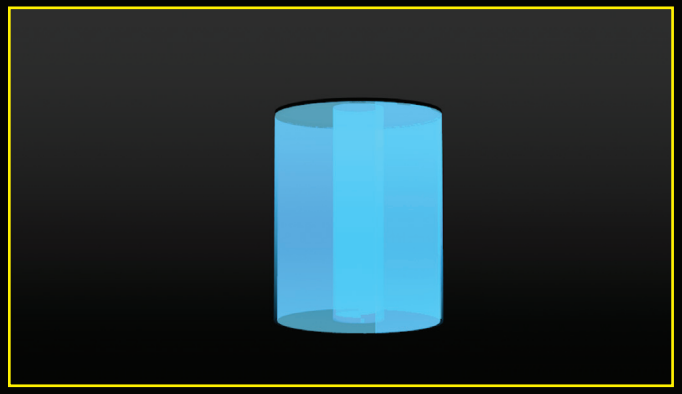
3. COMFORTABLE WEIRD STATE
03:30 – 050:00 min

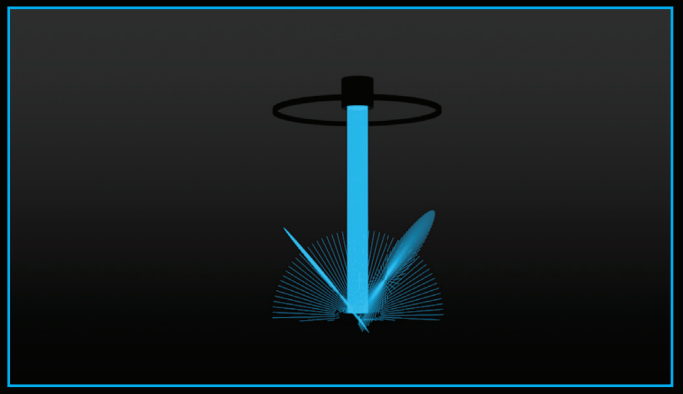
SOUND
let people breath

NARRATIVE
2-3 Moment of looseness /
Hamornic
let people breath

VISUAL
light strong



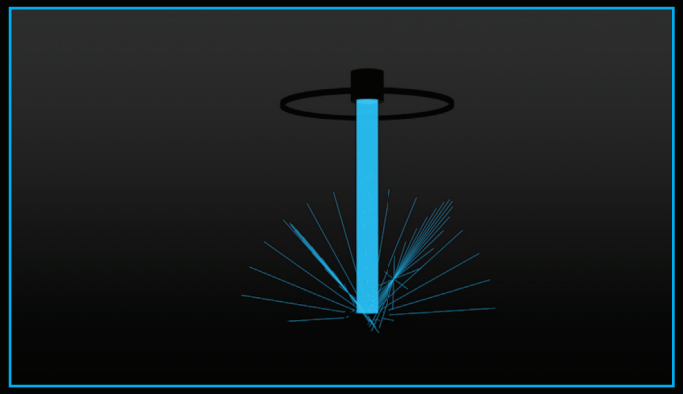




3. HIGHER STATE
5:00 – 10:00 min

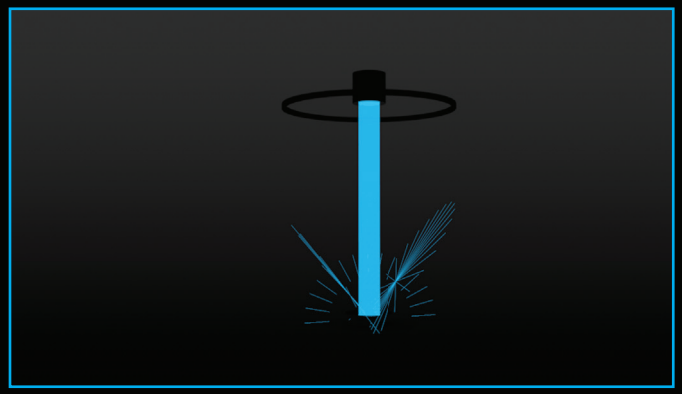
NARRATIVE
opening pandora's box
intimate experience through a group through being surrounded by a light curtain in a spiral way
everyone could interpret it on his/her manner but feeling the same ground message of connectives, spirituality, supernatural, lumoid state of mind(?)
audience is surrounding the mirror in a circular manner - feeling connectivity towards the rest of visitors
ritual begins (ritual = repetition = rotating of the mirror)
ghosts landscapes

MISE EN SCÈNE



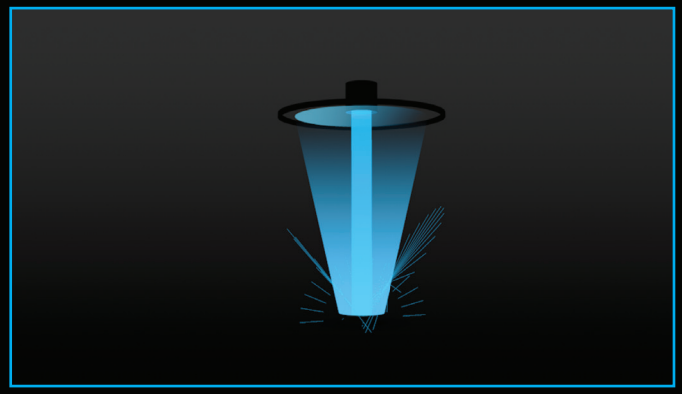
super intense
floating - disconnectivity
opening the pandora's box - good and bad things are coming out

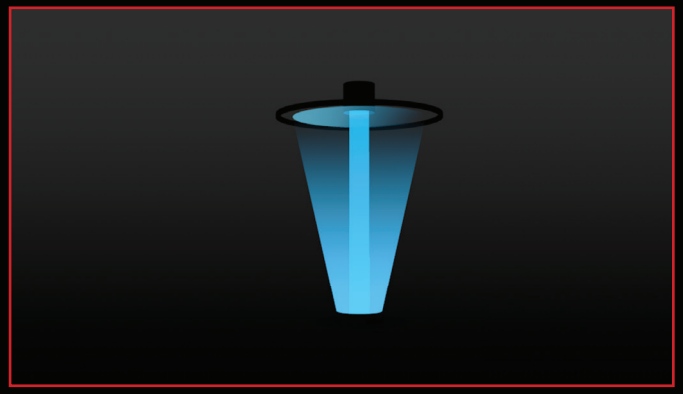
VISUAL
at the peak (5:00 min) the curtain led switches off
middle light beam starts to shine from the ceiling blue light (less spatial effect) on the rotating mirror
reflection in the smoke starts to appear
afterimages starts to appear in the visitors mind - not knowing what is real and what is illusion



afterimage effect
led curtain gone (?) - or only partly visible (?)
breaking the borders of inside and outside
smoke coming from above and underneath

SOUND
super intense - let their imagination free

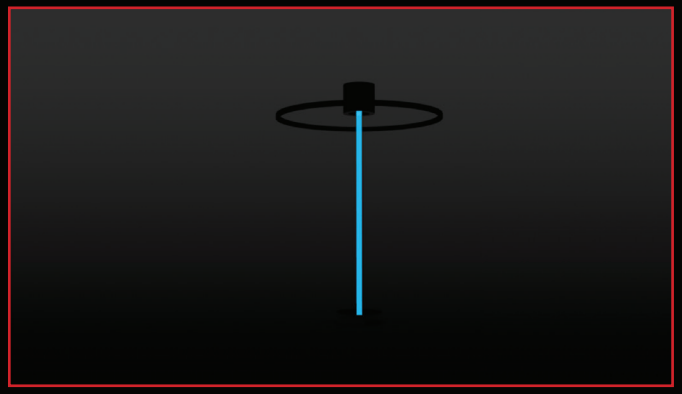




4. RELAXATION STATE
10:00 – 13:00 min

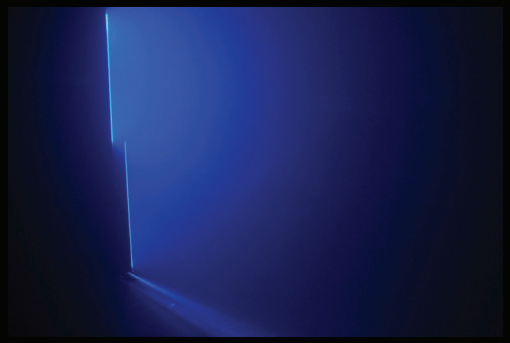
NARRATIVE
building down the excitement
taking back the audience to reality, but with a strong group experience feeling
getting back to reality

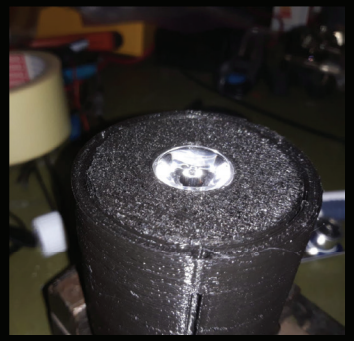
VISUAL
mid light beam shins still
no more reflections due the smoke is not coming anymore

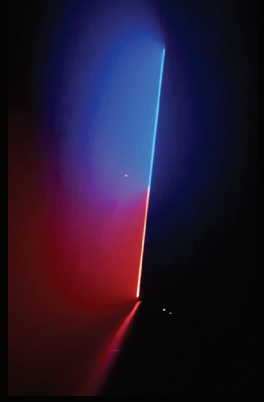


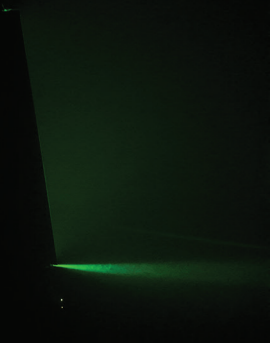
SOUND
drone sond

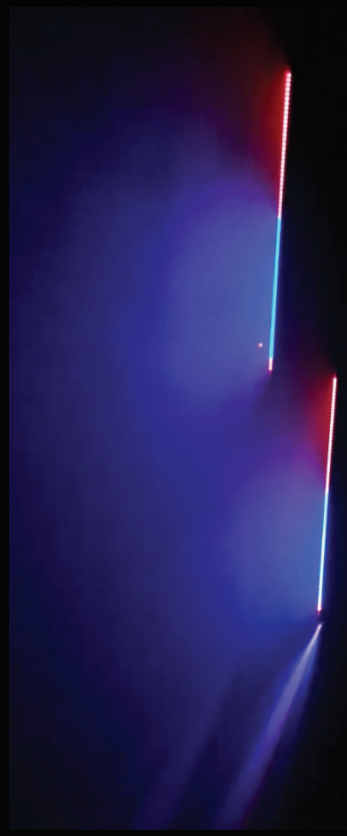
CUSTOME MADE HARDWARE PROTOTYPING

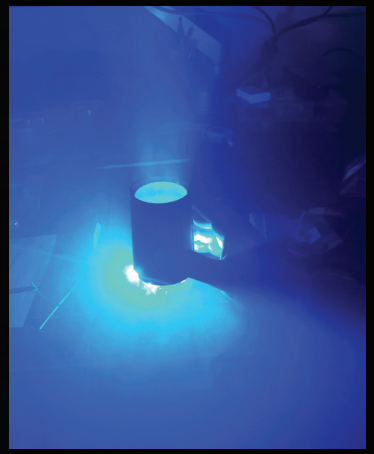


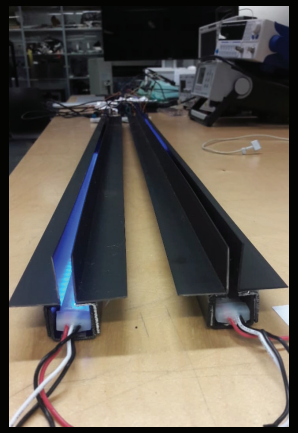


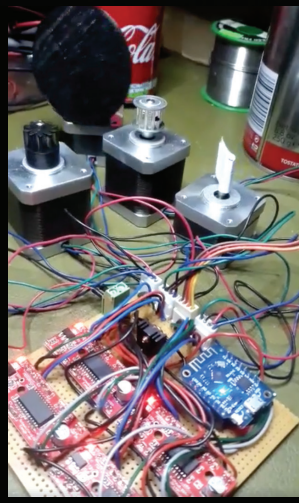


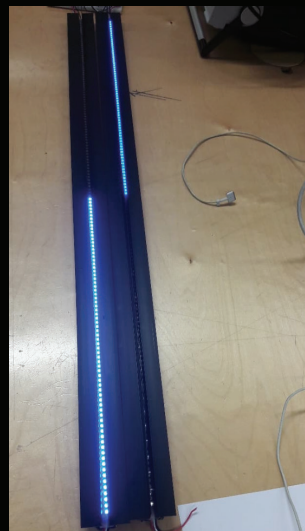




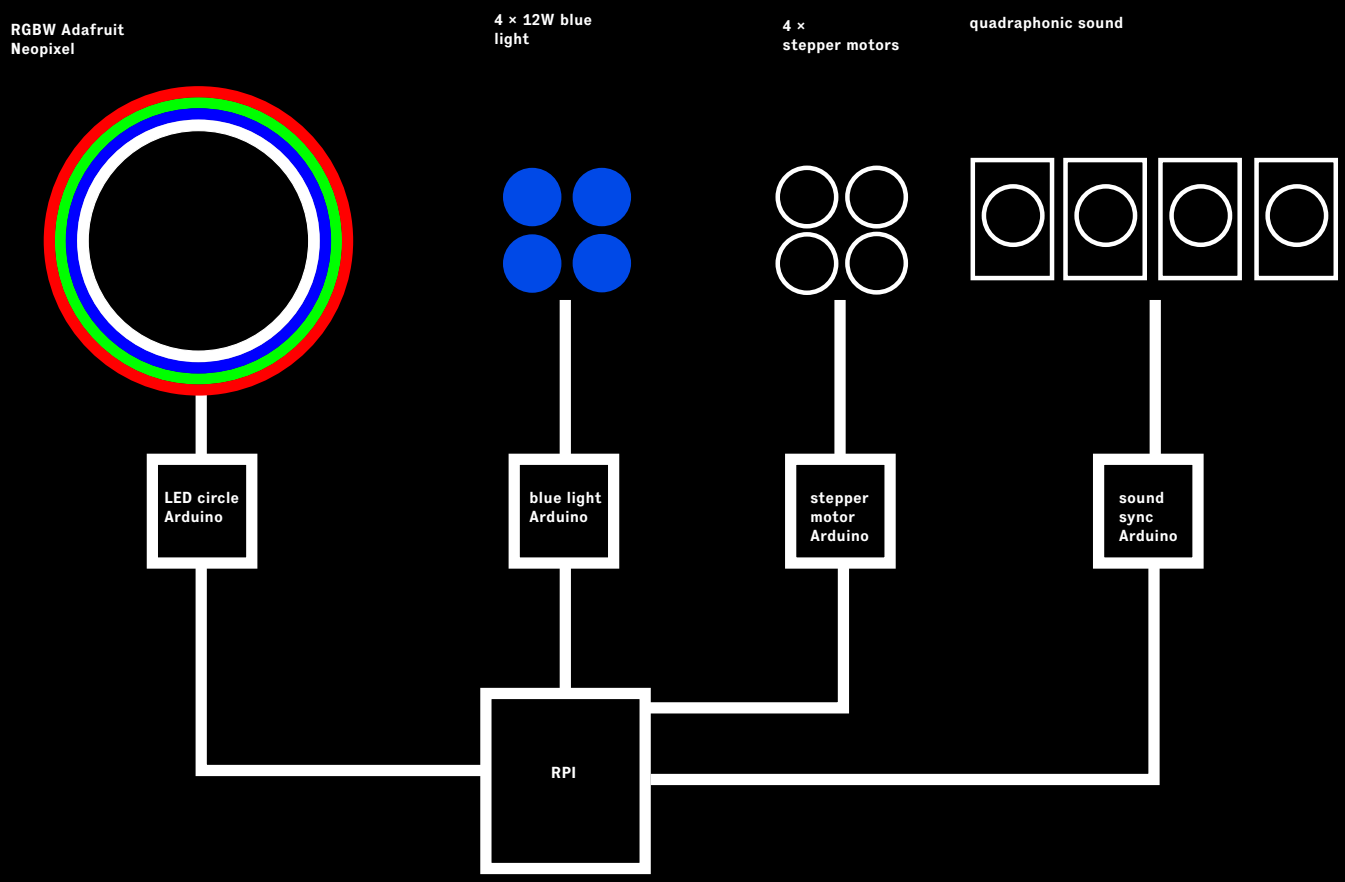






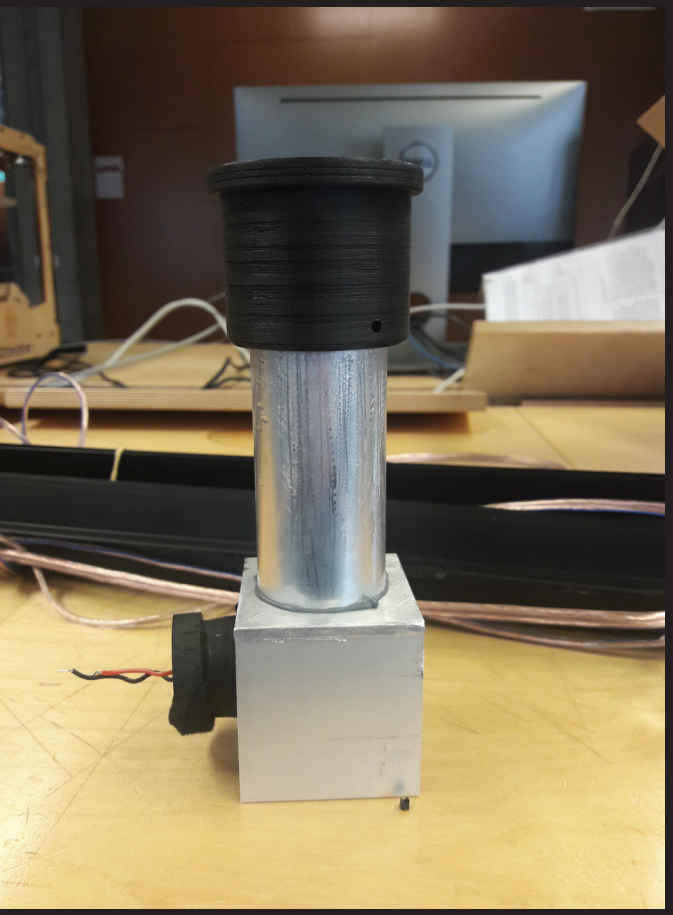


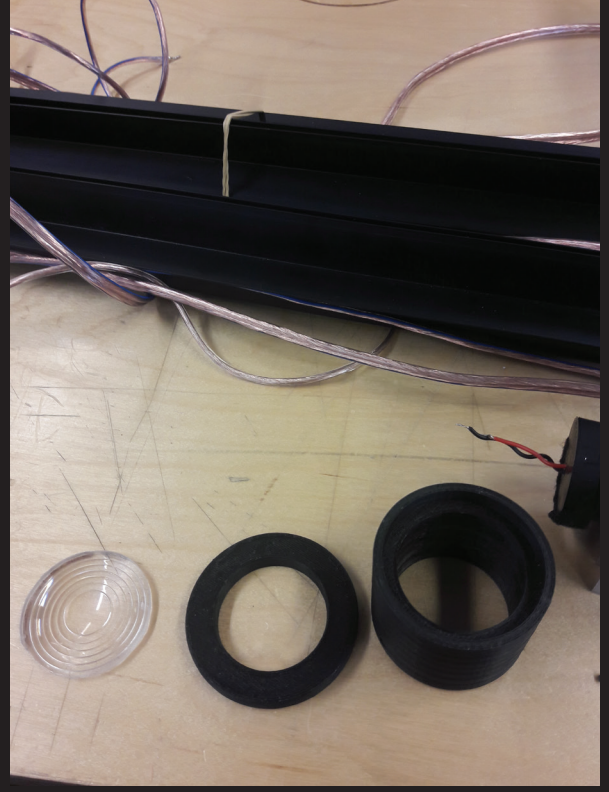
EIGENGRAU
TECHNICAL RIDER

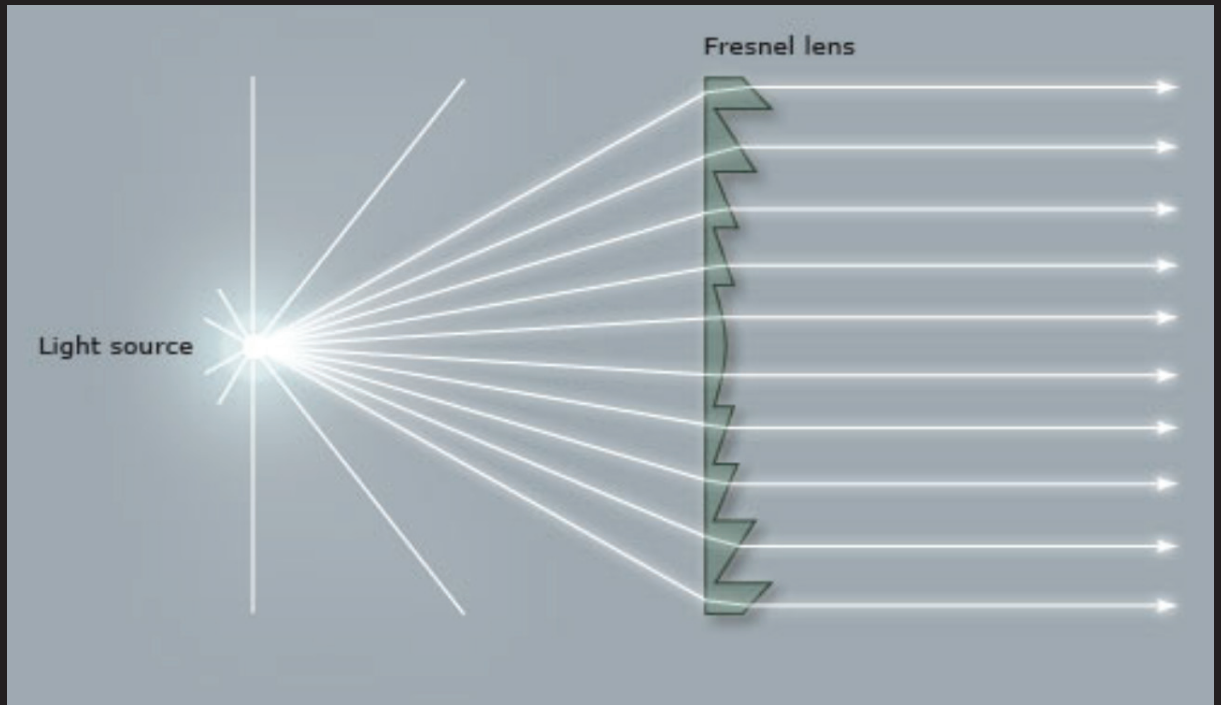


EIGENGRAU
HARDWARE PARTS

12W BLUE LIGHT

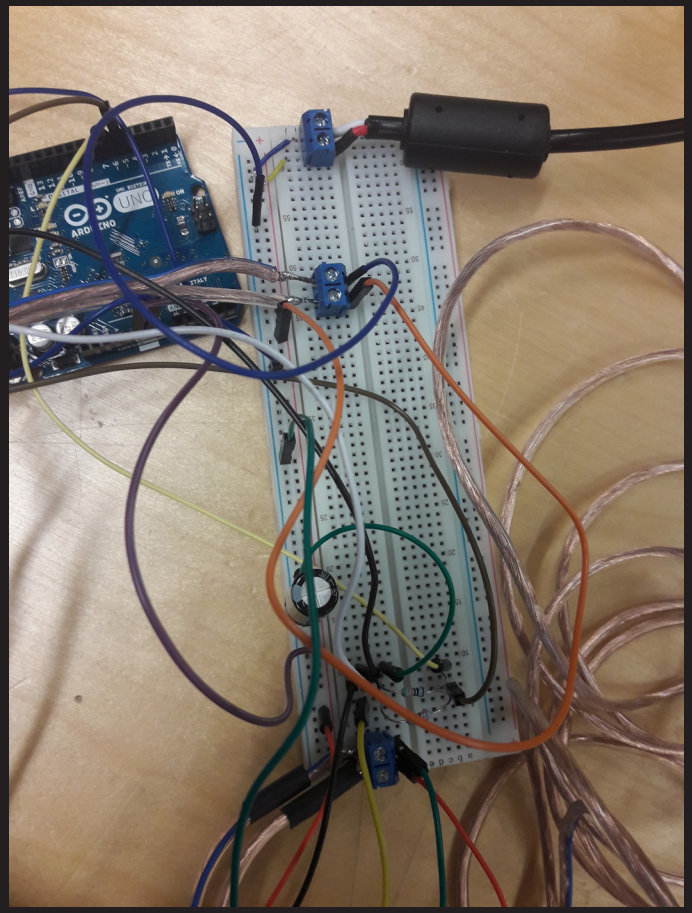


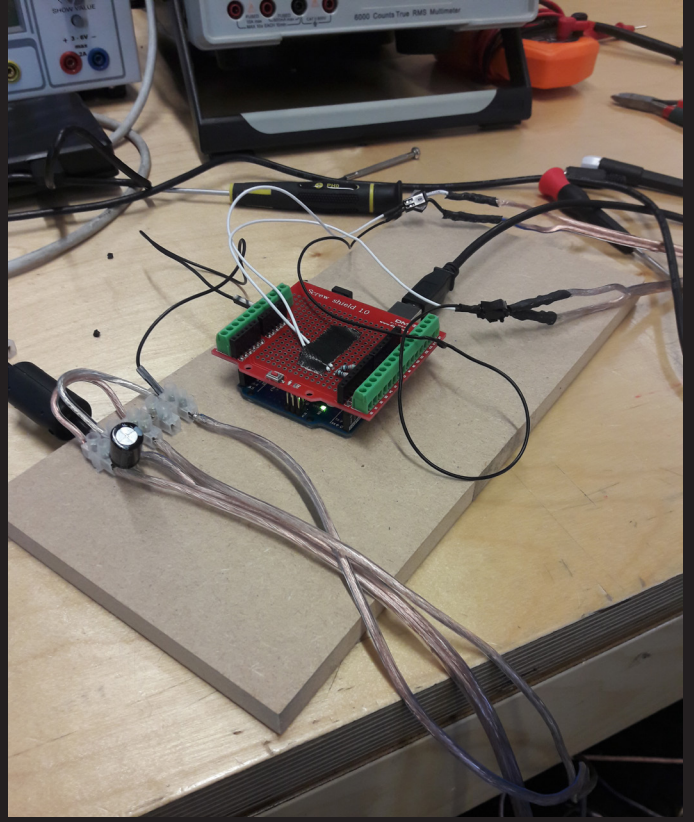


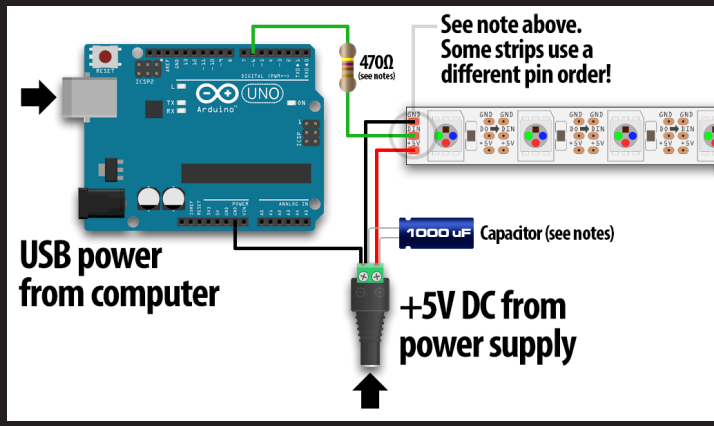


EIGENGRAU
HARDWARE PARTS

ARDUINO SETUP

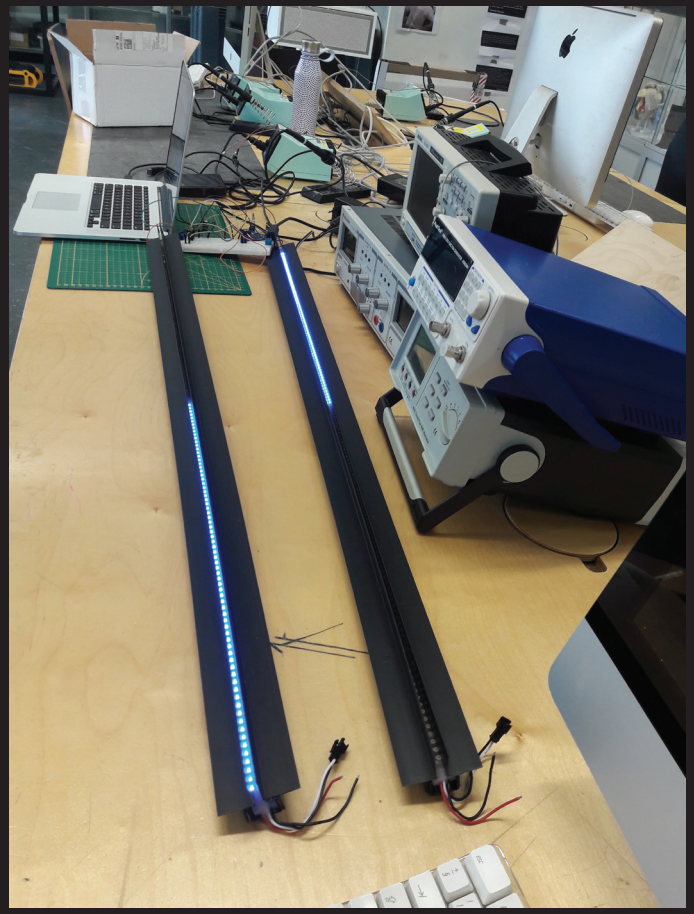


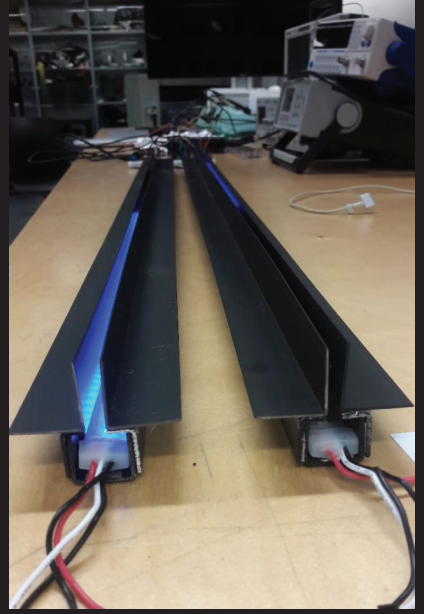




EIGENGRAU
HARDWARE PARTS

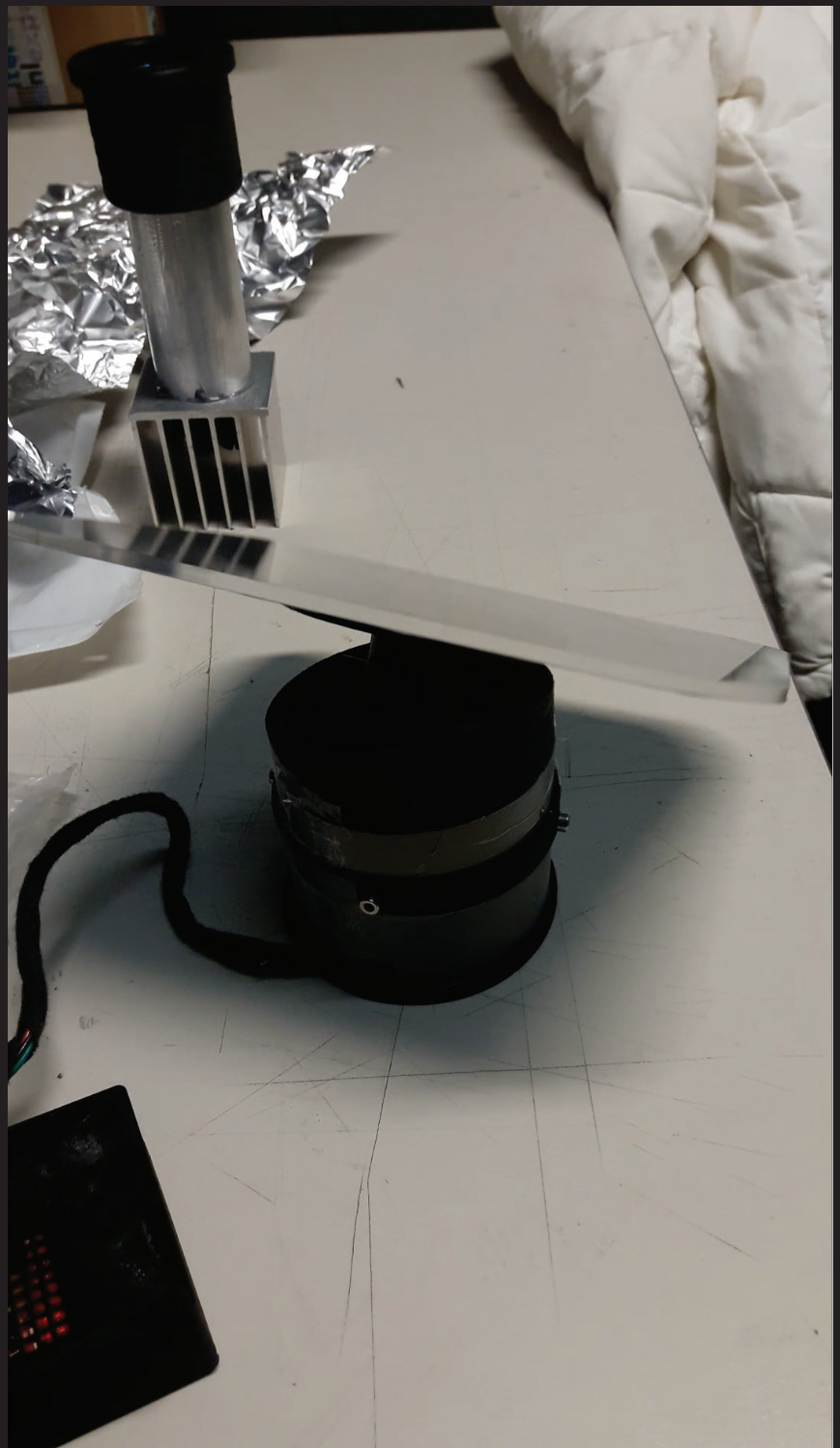
CUSTOME MADE LED PROFILES



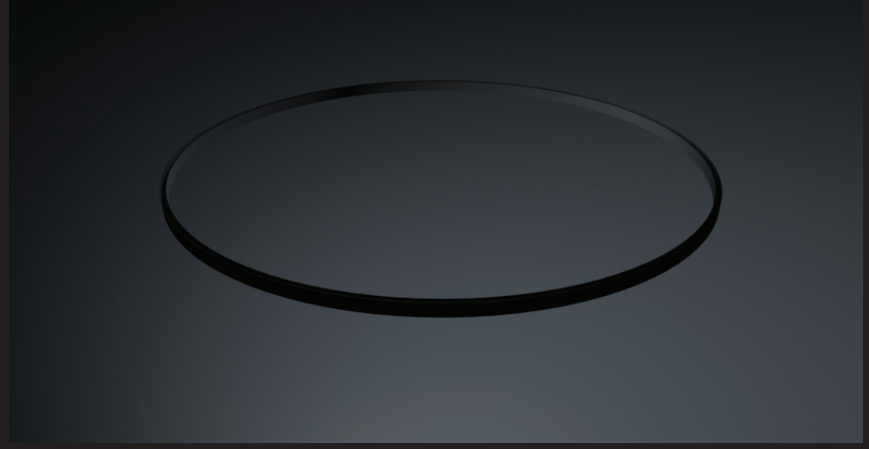


EIGENGRAU
HARDWARE PARTS

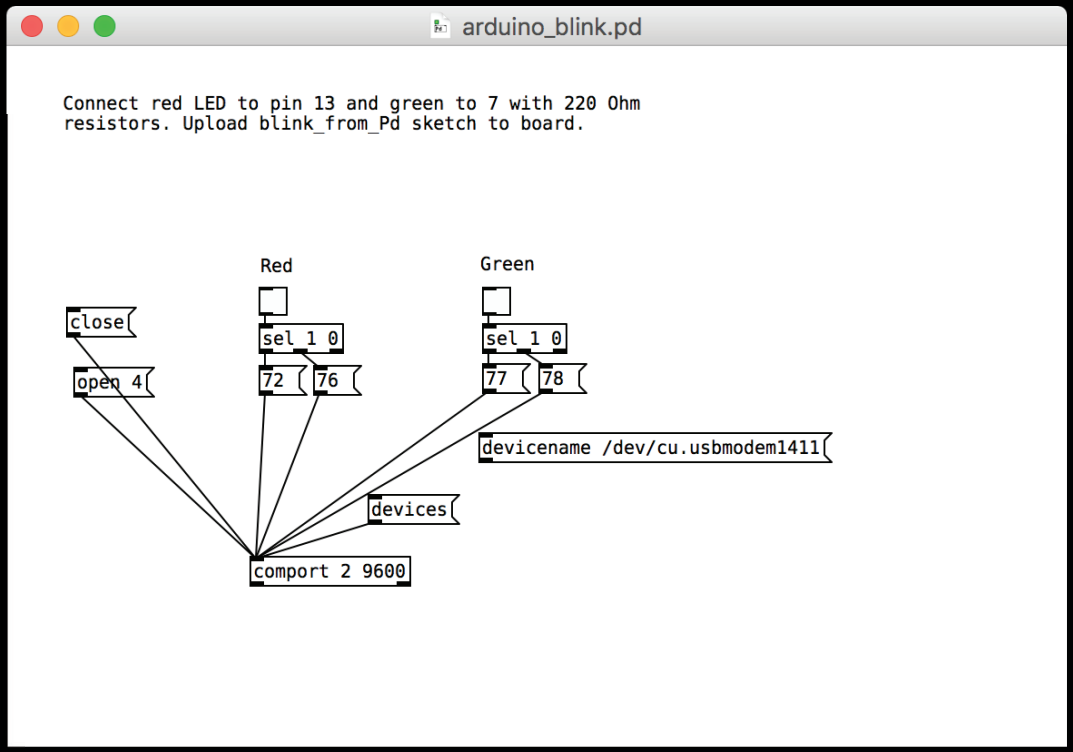
STEPPER MOTOR



EIGENGRAU
CIRCULAR LED PROFILE

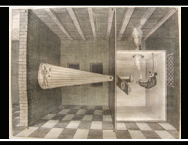


EIGENGRAU SOFTWARE

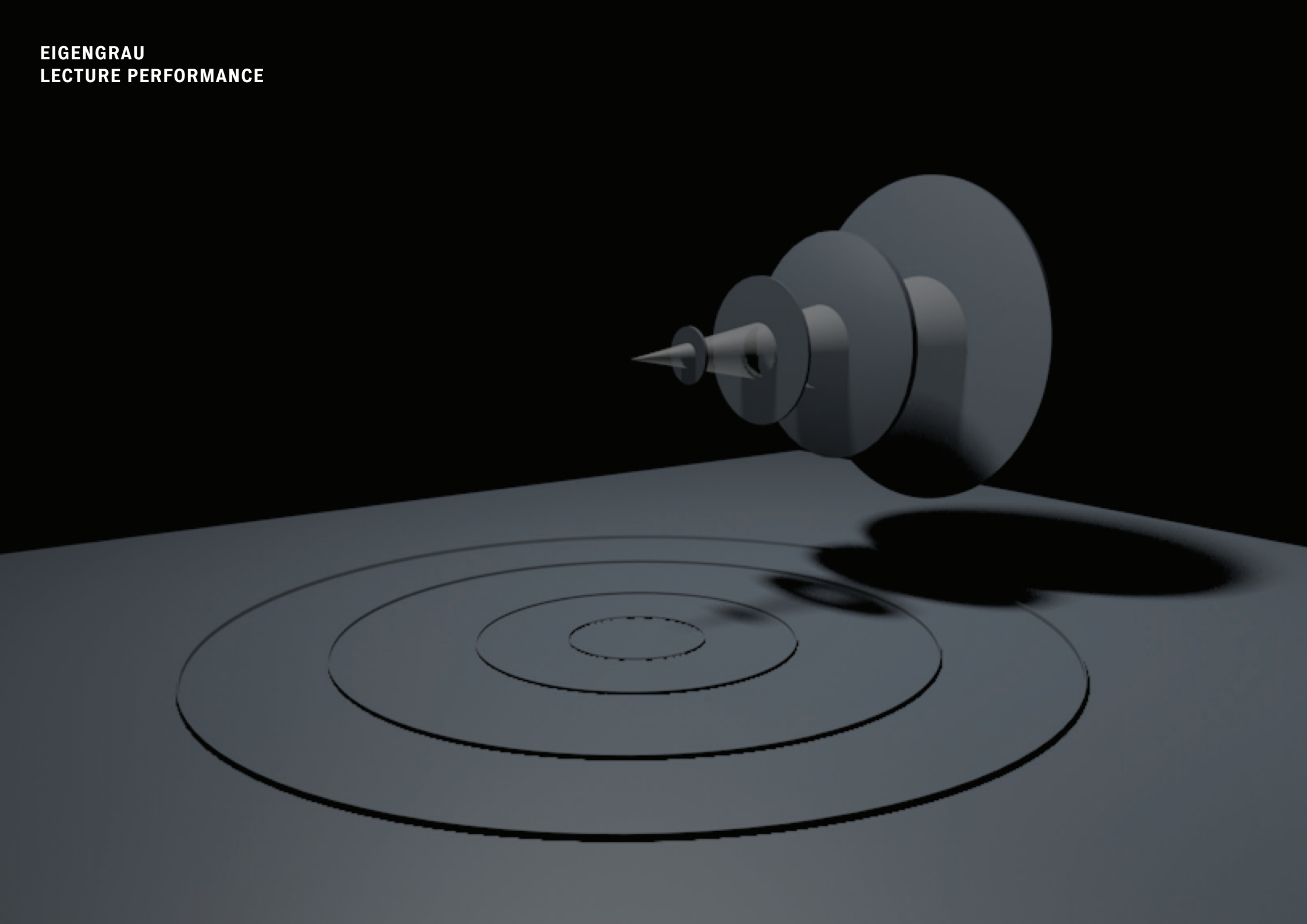


EIGENGRAU
LECTURE PERFORMANCE

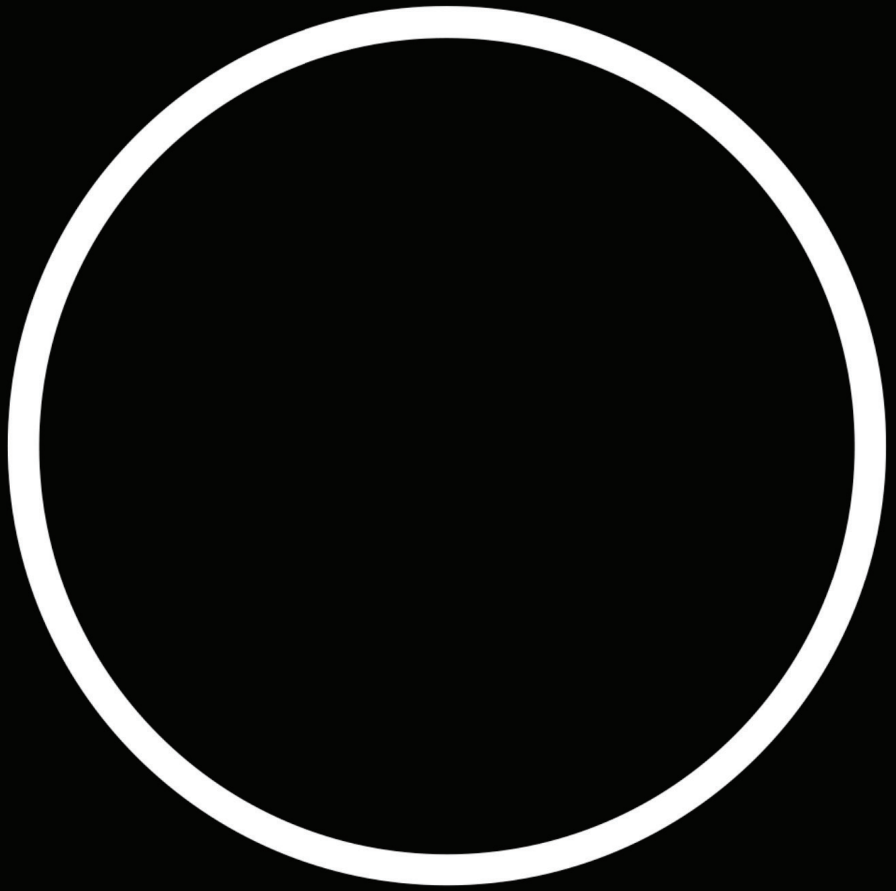
EIGENGRAU
LECTURE PERFORMANCE

	Ancient Greeks	Athanasius Kircher	Johann Georg Schröpfer	Paul Philidor	Robertson	Brion Gysin William S. Burrough Ian Sommerville	Zalán Szakács
magicians							
type of the light	fire	candle	candle	Argand lamp	Argand lamp	light bulb	LED
color of the light							
color of the light							

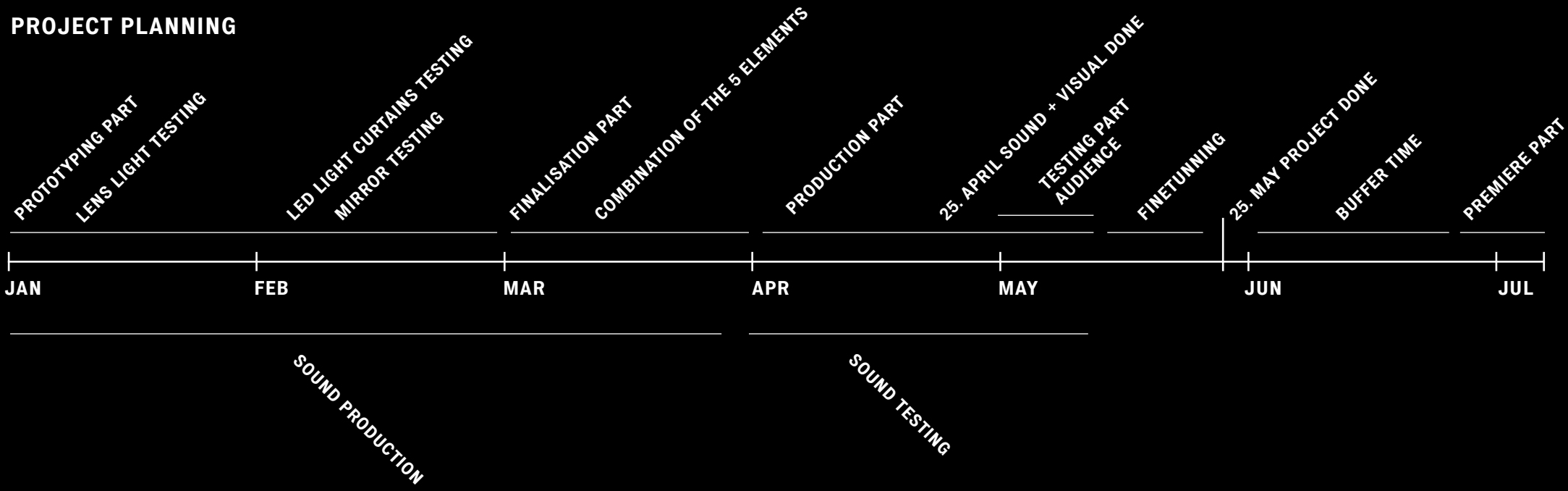
EIGENGRAU
LECTURE PERFORMANCE



EIGENGRAU
LECTURE PERFORMANCE STORY



PROJECT PLANNING



PROJECT STEPS

PROTYPING PART:
JAN – FEB

LENS
LED CURTAIN
MIRROR
SOUND

FINALISATION PART:
MARCH

SOUND
ANIMATION (LED CURTAIN)
MOVEMENTS (LENS + MIRROR)
PUTTING ALL 5 ELEMENTS
TOGETHER IN ONE SOFTWARE

PRODUCTION PART:
APRIL – MID MAY

LENS - LIGHT
ROTATING MIRROR
LED CURTAIN BIG
LED CURTAIN SMALL
INSTALLING IN SPACE
SOUND

TESTING PART:
MID MAY

LOCATION BUILD UP

FINETUNNING PART:
END MAY

SOUND - LIGHT

PREMIERE PART:
JUNE – JULY

24TH TO 28TH OF JUNE -
PRESENTATION TEACHER

12TH TO 14TH OF JULY -
OFFICIAL PRESENTATION

DOCUMENTATION PART:
JULY

FILM
VIDEO

5 ELEMENTS:

LENS - LIGHT HARDWARE
ROTATING MIRROR HARDWARE
LED CURTAIN BIG
LED CURTAIN SMALL
SMOKE
SOUND

PROJECT TEAM

RESEARCH, CONCEPT & VISUAL DEVELOPMENT

ZALÁN SZAKÁCS

SOUD DESIGN

SÉBASTIEN ROBERT

LIGHT TECHNOLOGY & HARDWARE

JULIUS KEIJZER

ARCHITECTURAL ADVISOR
ANNA KACSO

REMEMBER THE PHANTASMAGORIA!