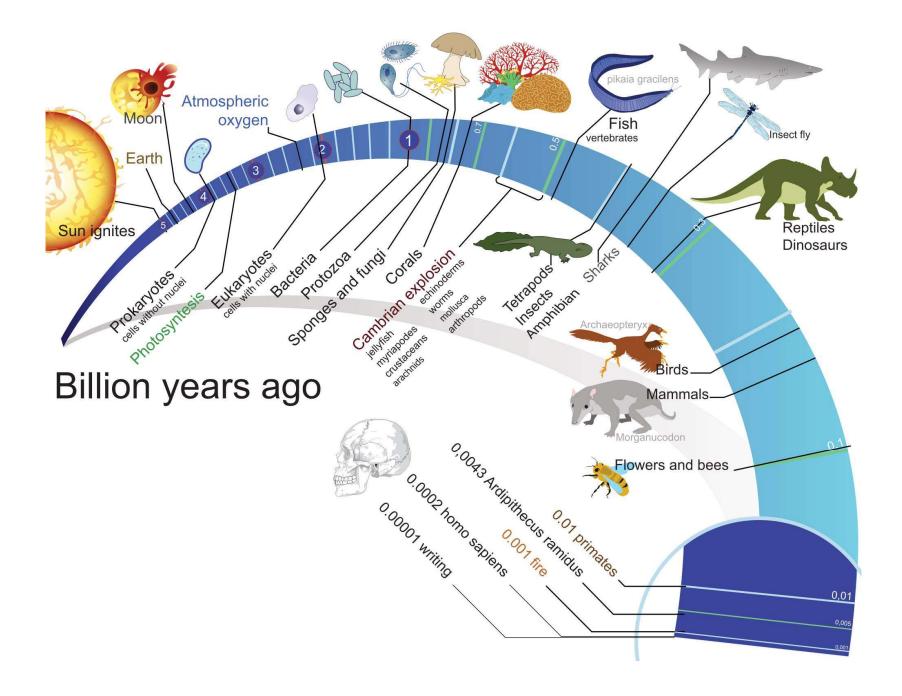
LIGHT: DO YOU CARE?

LIGHTING DESIGN CAMPUS

PALAGI MARINE LIGHTS

3 JULY 2019





interdisciplinary field

EYE BRAIN COLOUR SPACE CONTRAST

-Ď-

• = •

6+8

Ab

TECHNOLOGY HUMAN SCIENCE ART DESIGN

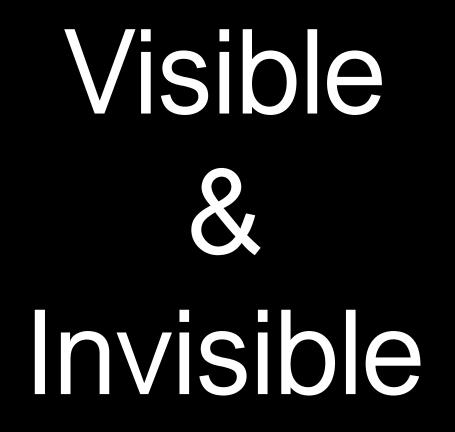
LIGHT: How is it?

Obvious

Obscure

Has momentum but No matter

Can be felt but Not touched



Perceive our physical as well as metaphorical surroundings

Emotions Imagination Perception Space



SCIENCE

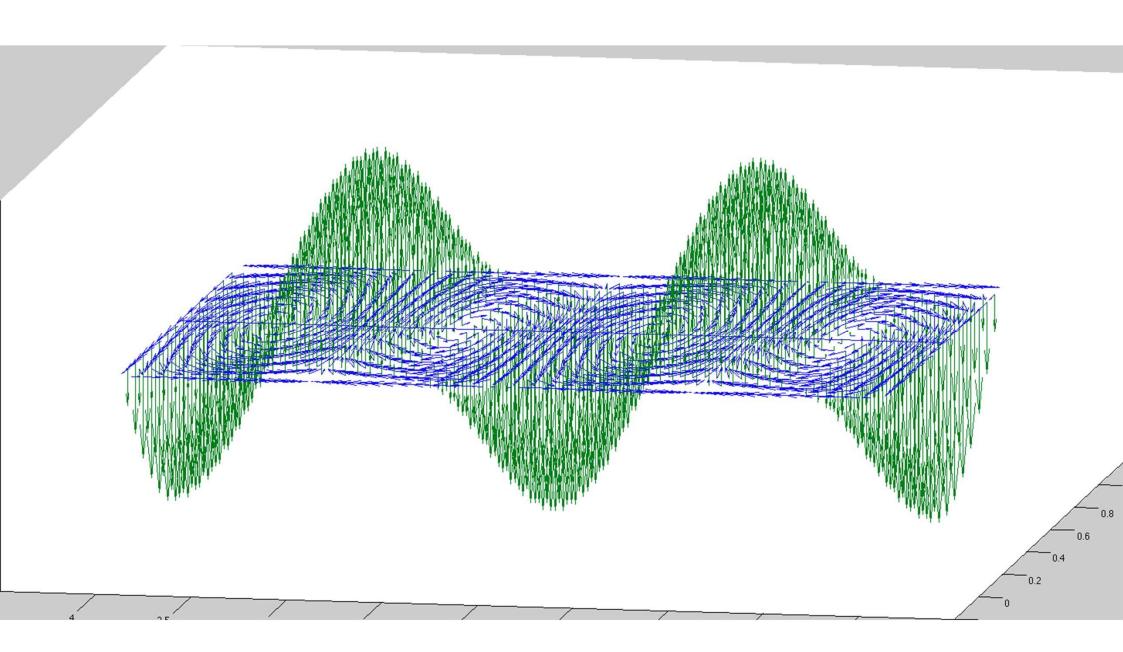
light¹ [lahyt] SHOW IPA ()

SYNONYMS | EXAMPLES | WORD ORIGIN | IDIOMS

SEE MORE SYNONYMS FOR light ON THESAURUS.COM

noun

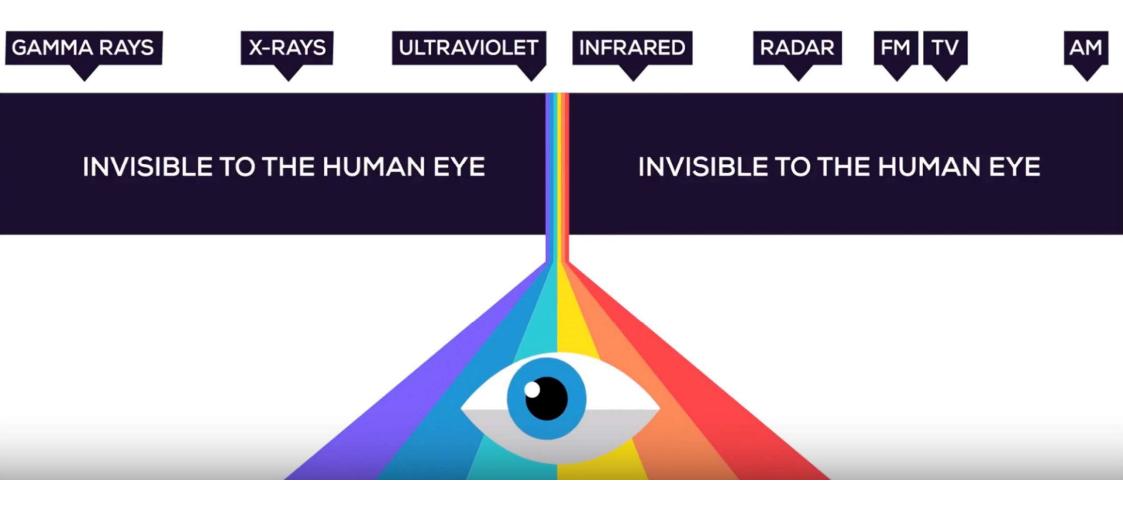
- something that makes things visible or affords illumination: All colors depend on light.
- 2 Physics.
 - a Also called luminous energy, radiant energy. electromagnetic radiation to which the organs of sight react, ranging in wavelength from about 400 to 700 nm and propagated at a speed of 186,282 mi./sec (299,972 km/sec), considered variously as a wave, corpuscular, or quantum phenomenon.
 - b a similar form of radiant energy that does not affect the retina, as ultraviolet or infrared rays.



Electromagnetic Radiation

The different types of electromagnetic radiation shown in the electromagnetic spectrum consists of radio waves, microwaves, infrared waves, visible light, ultraviolet radiation, X-rays, and gamma rays. The part of the electromagnetic spectrum that we are able to see is the visible light spectrum.

ELECTROMAGNETIC SPECTRUM





HUMAN

DO WE SEE LIGHT?

Objects do not make their own light They are illuminated by a source We see them as a result of the light reflected of them To see something, light must enter the eye The rods and cones will produce signals Signals will be processed by the brain



DESIGN

ELEMENTS OF DESIGN

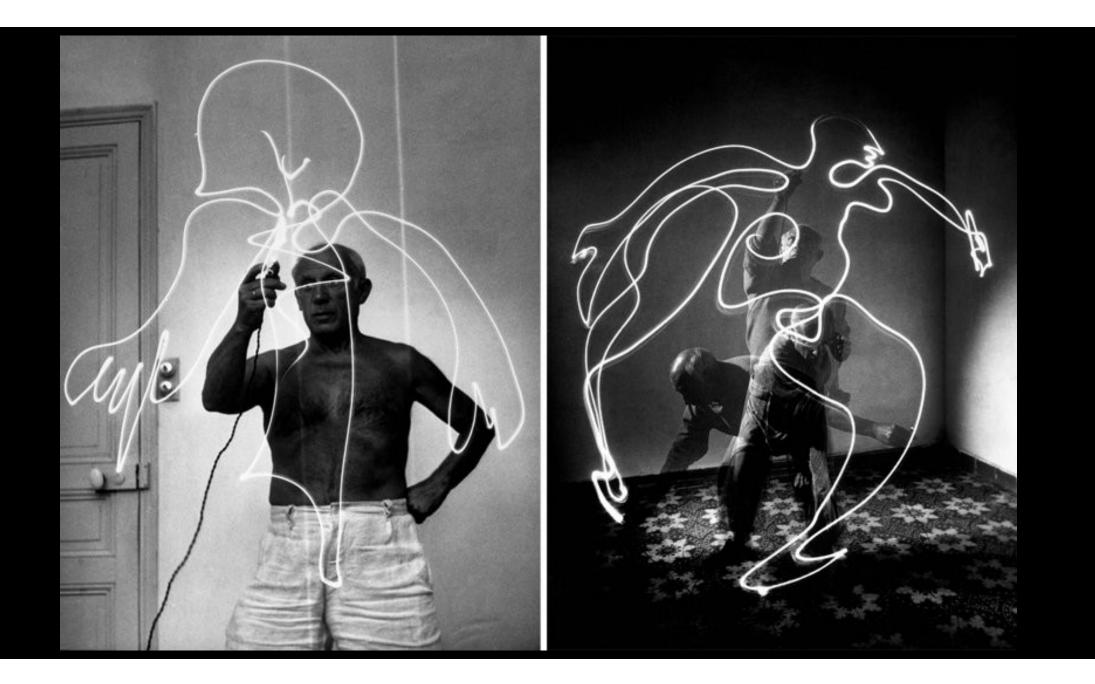
LINE SHAPE DIRECTION SIZE TEXTURE COLOUR

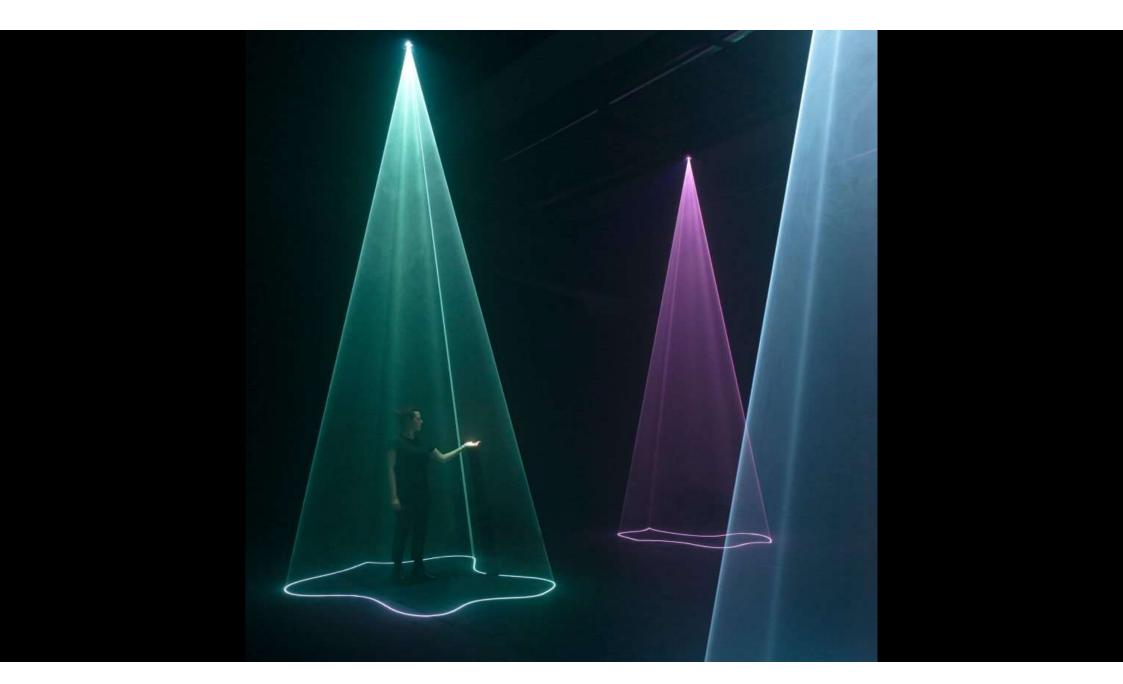
PRINCIPLES OF DESIGN

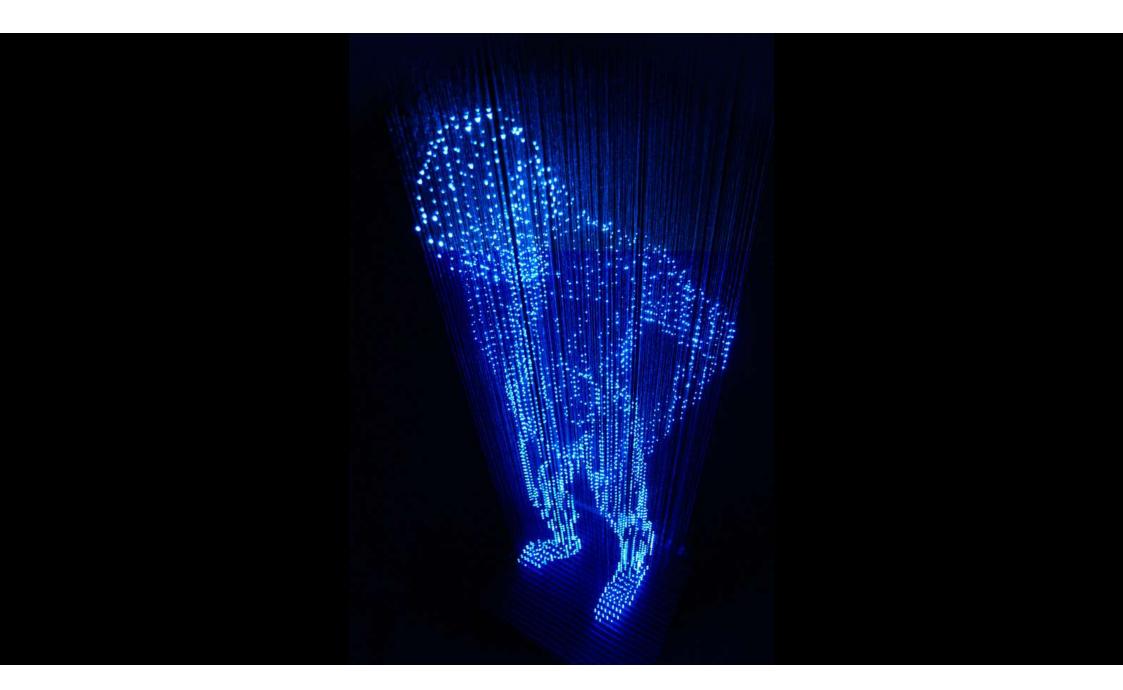
BALANCE PROXIMITY ALIGNMENT REPETOTUON SPACE CONTRAST



ART

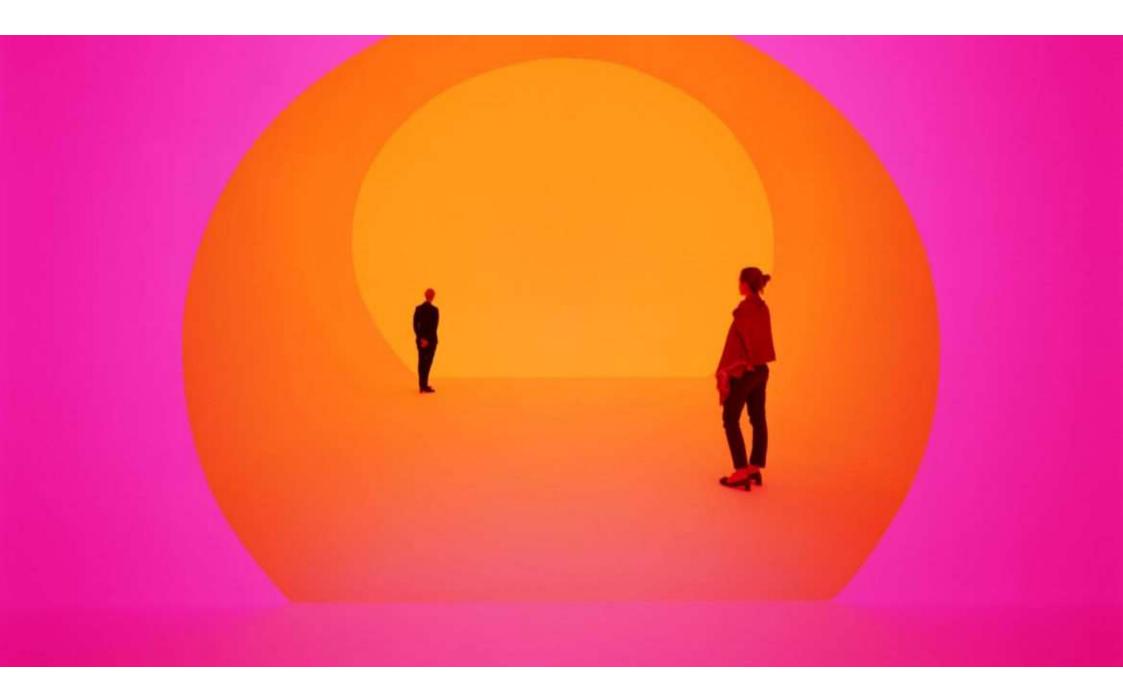


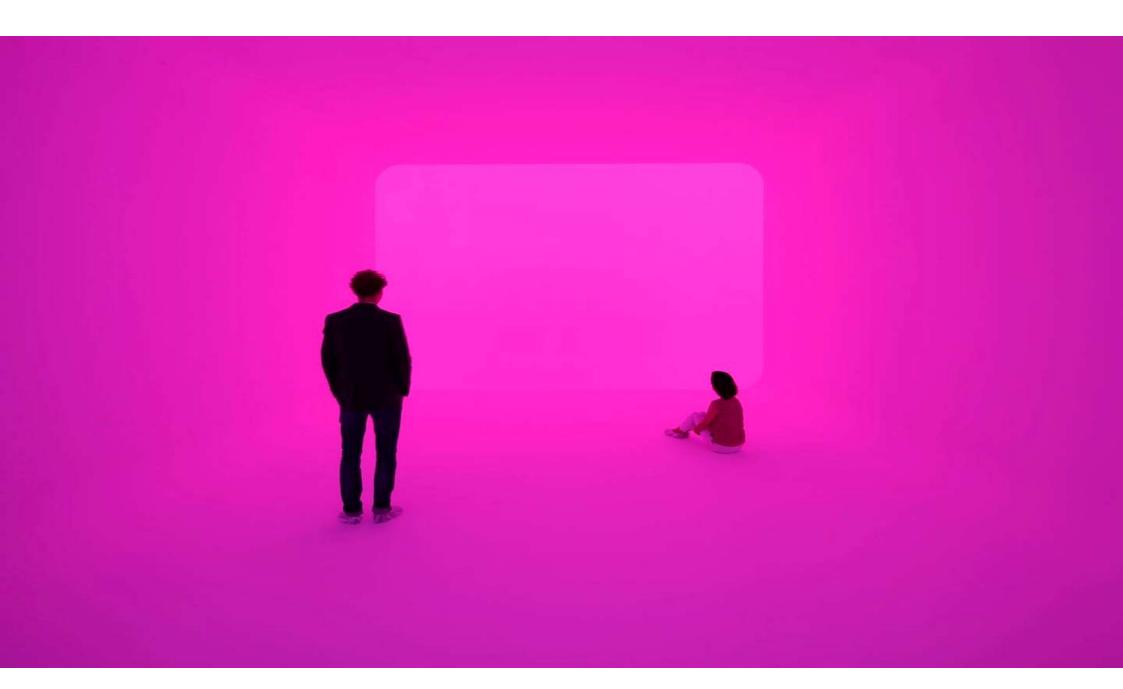














TECHNOLOGY

L.E.D.

LUX Candela Lumens Luminance Illuminance

CCCR DISTRIBUTION GLARE

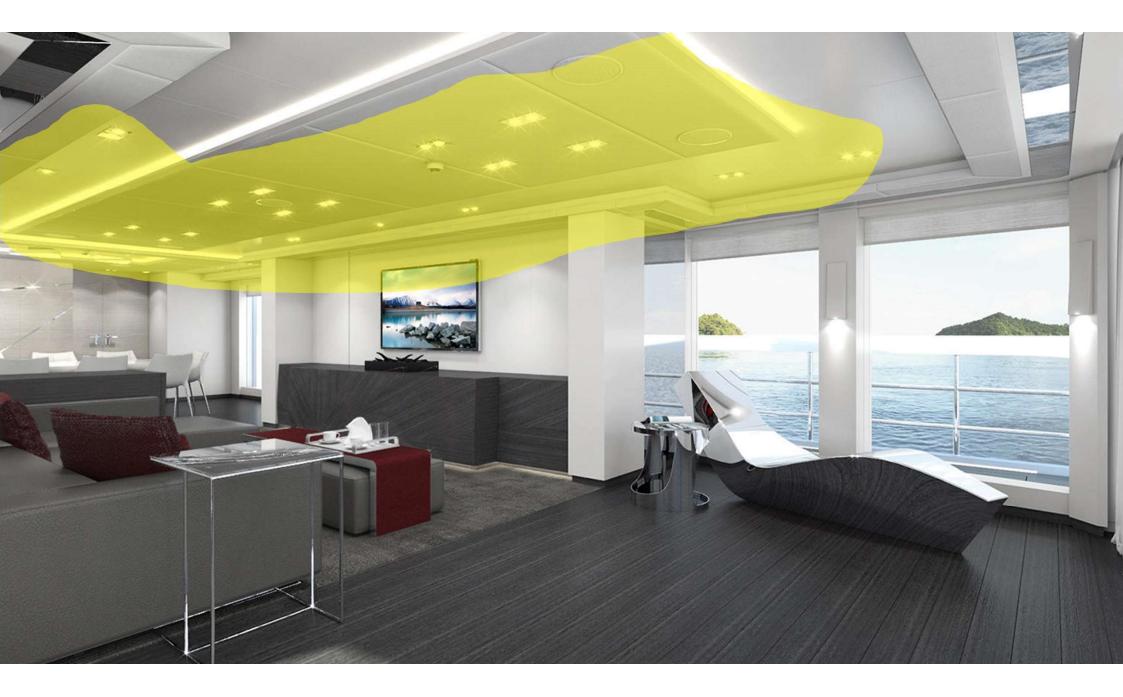


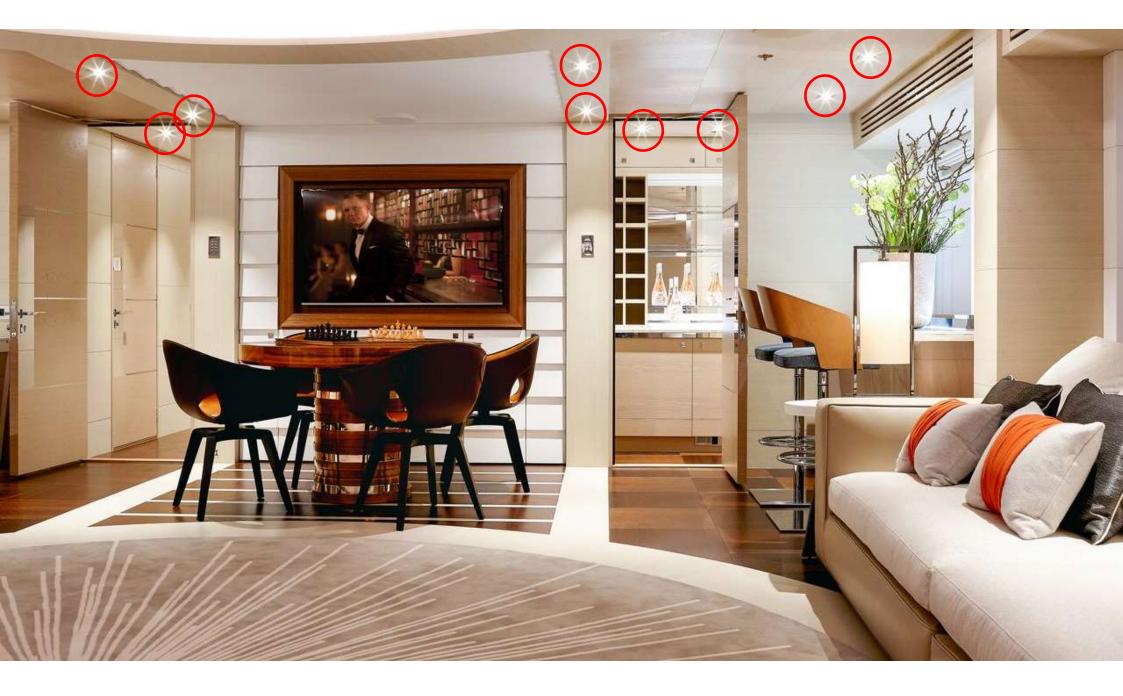








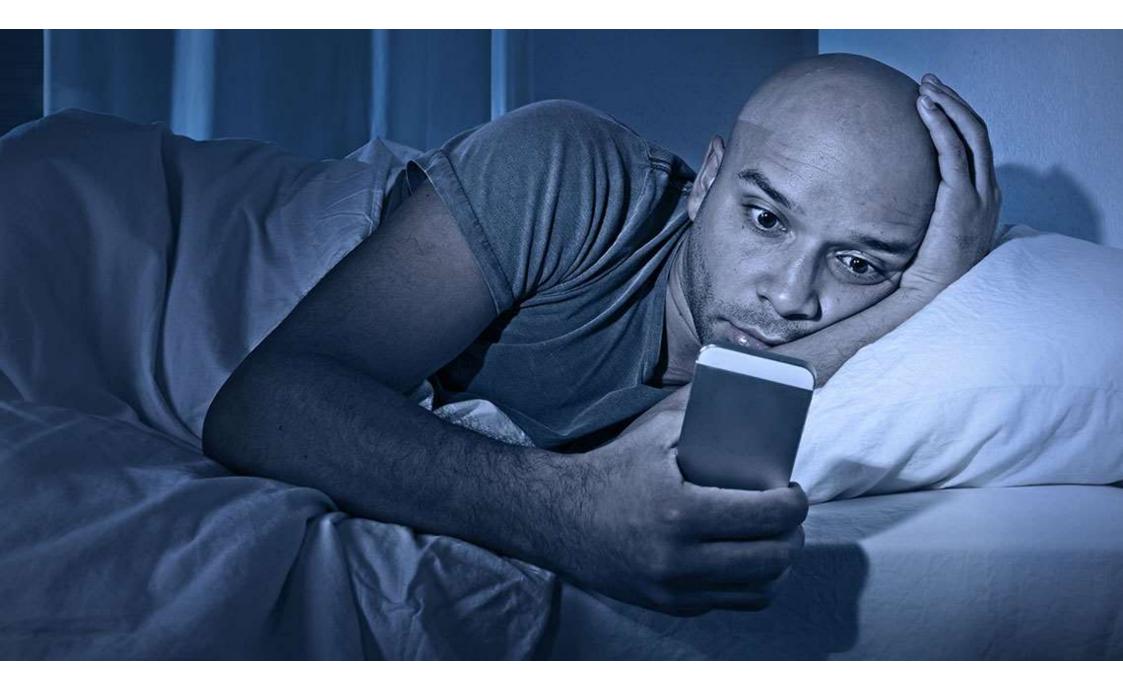




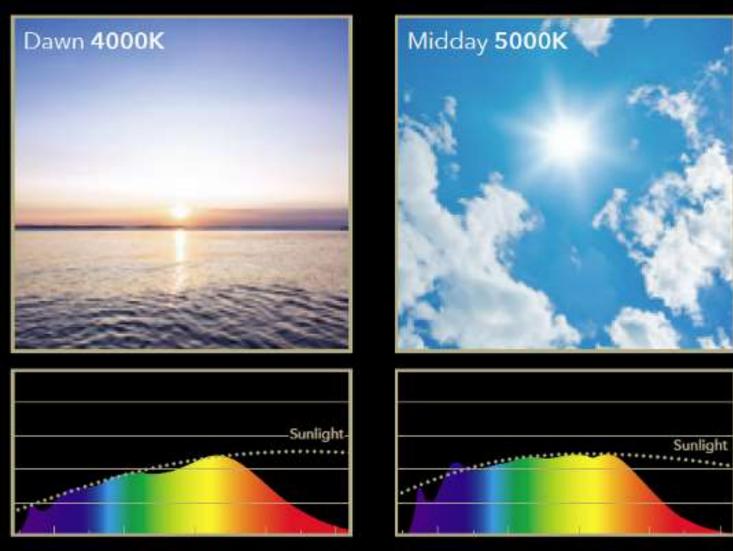


ONE MORE THING

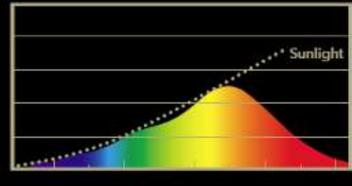
CIRCADIAN CYCLE

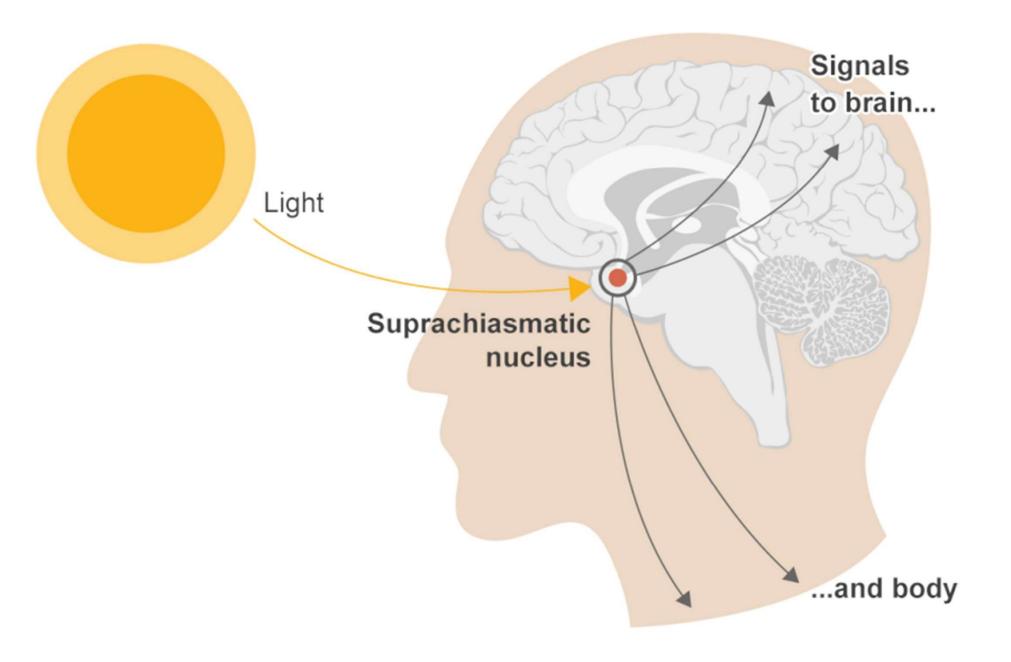


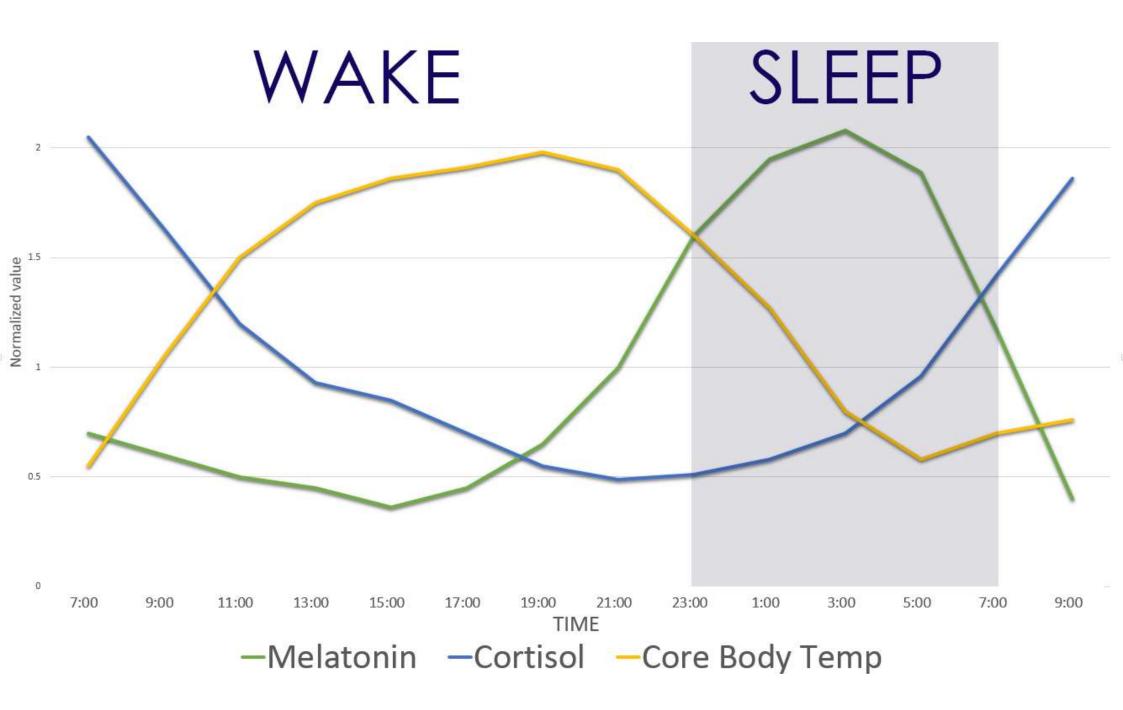












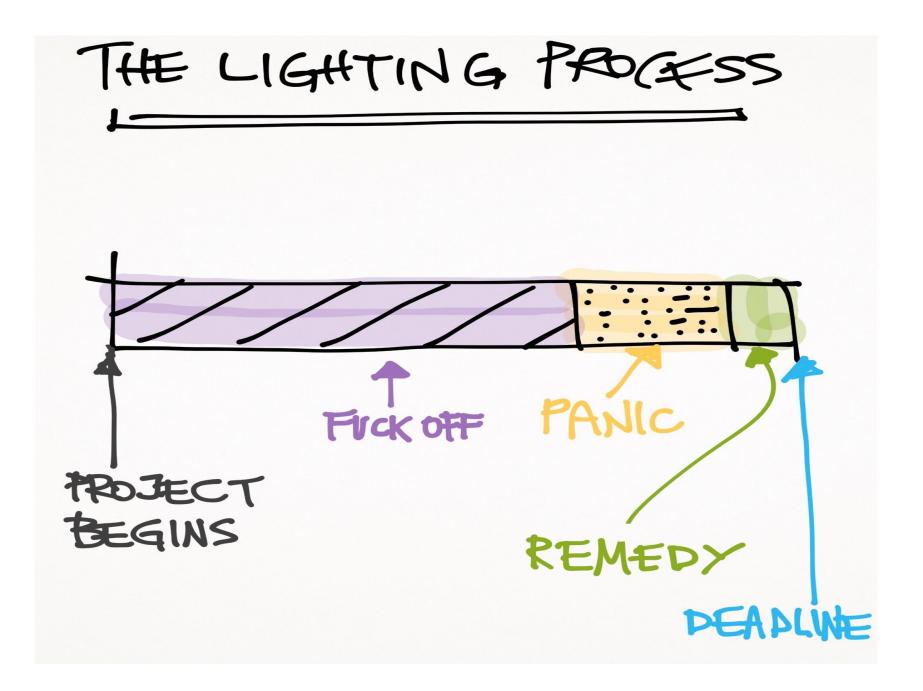


NOW...

... DO YOU CARE?







COMPROMISE

AN AGREEMENT WHEREBY BOTH PARTIES GET WHAT NEITHER OF THEM WANTED

LIGHT...DO WE CARE?

YES, WE DO !

THANK YOU