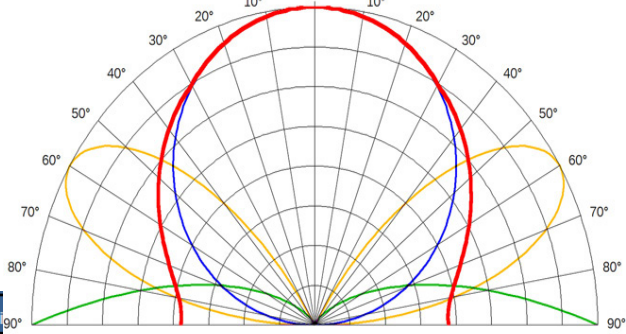
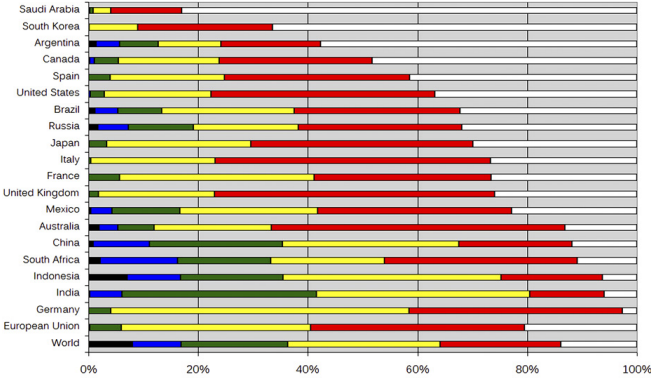


Research



Key	Artificial	Natural	Visual Impact
<1.74	<1.74	<1.74	1
1.74–3.48	1.74–3.48	1% to 2%	2
3.48–6.96	3.48–6.96	2% to 4%	2
6.96–13.9	6.96–13.9	4% to 8%	2
13.9–27.8	13.9–27.8	8% to 16%	2
27.8–55.7	27.8–55.7	16% to 32%	3
55.7–111	55.7–111	32% to 64%	3
111–223	111–223	64% to 128%	4
223–445	223–445	128% to 256%	4
445–890	445–890	256% to 512%	5
890–1780	890–1780	512% to 1024%	5
1780–3560	1780–3560	1024% to 2048%	6
3560–7130	3560–7130	2048% to 4096%	7
>7130	>7130	>4096%	8,9



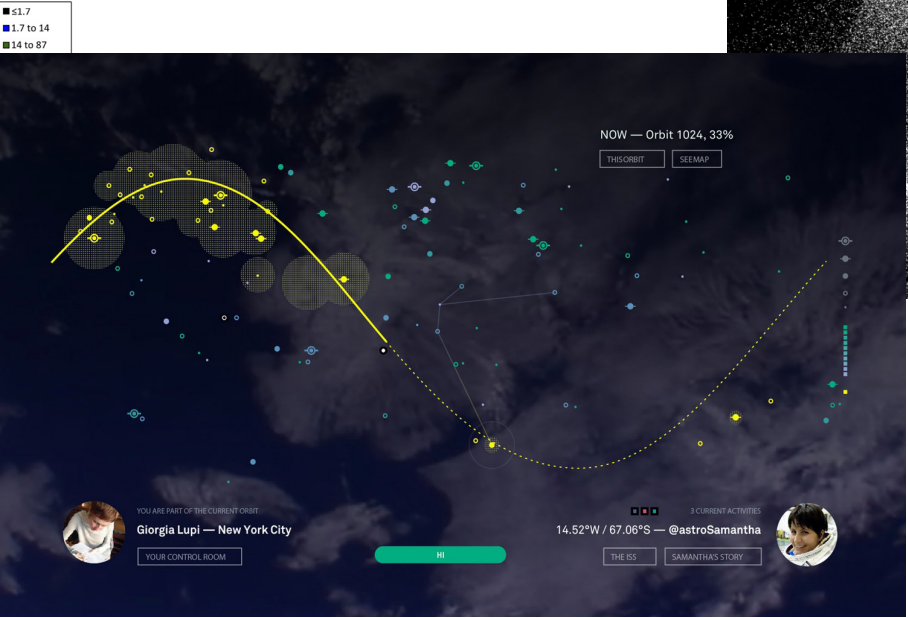
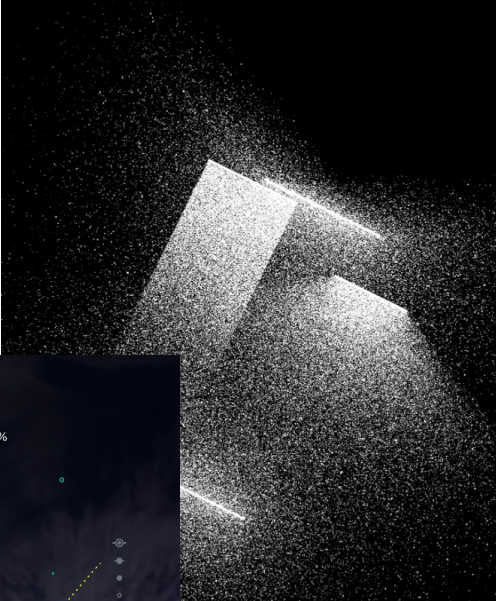
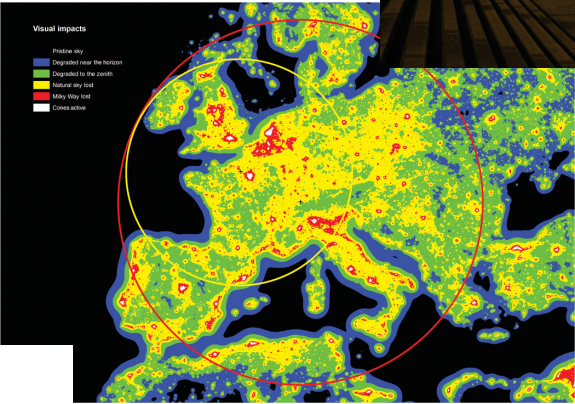
1. Don't use lights brighter than you need

2. Don't use lights when they aren't needed

3. Shield lights and direct them down

4. Choose warm white light bulbs

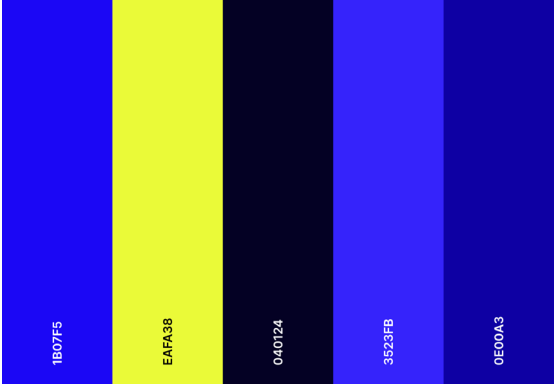
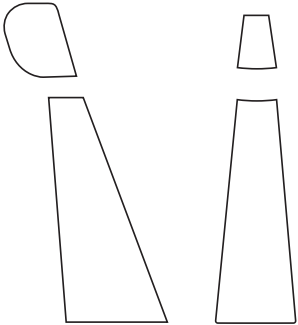
5. Advocate in your community



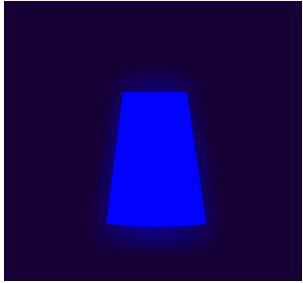
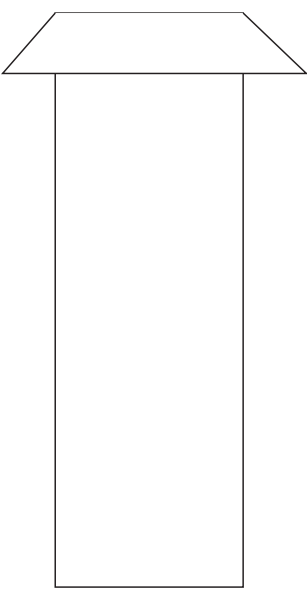
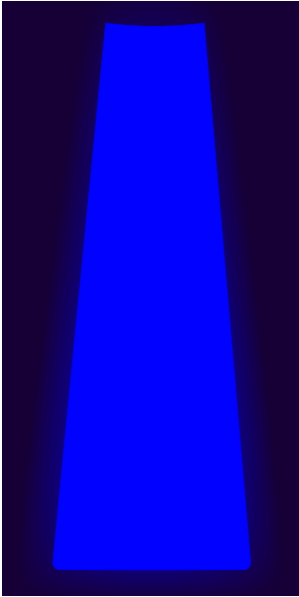
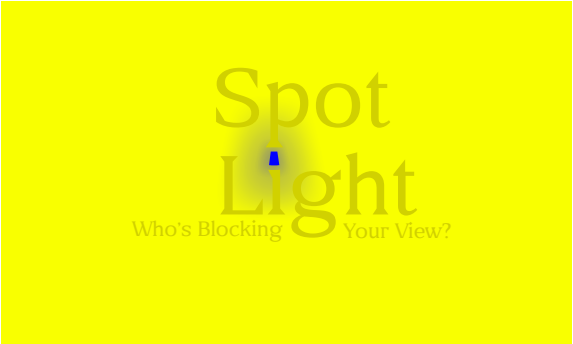
Experimentation

What's
Blocking
Your View?

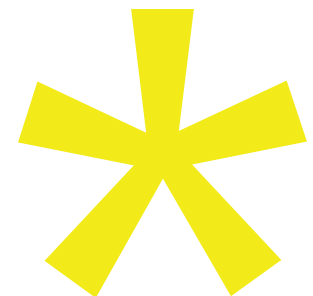
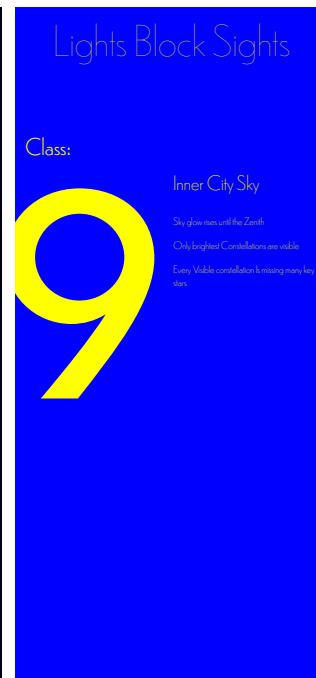
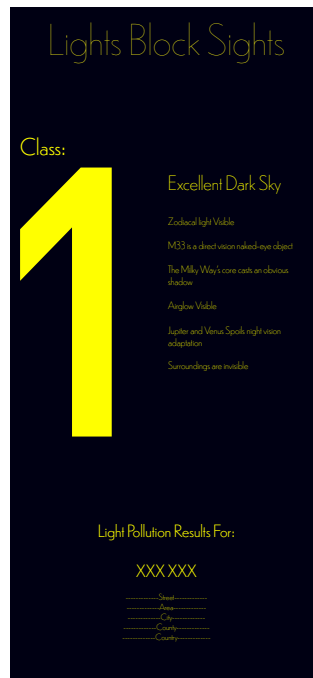
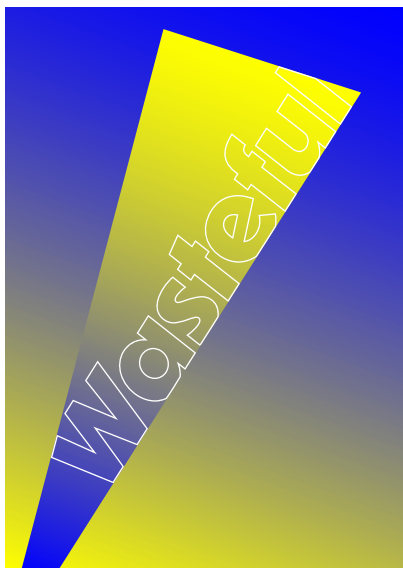
UP



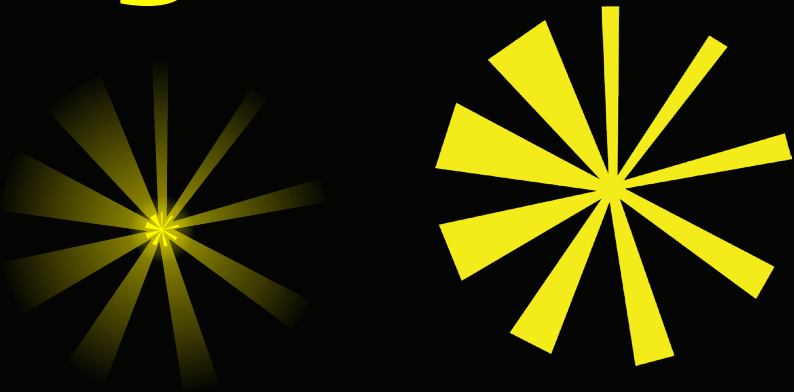
Spot
Light



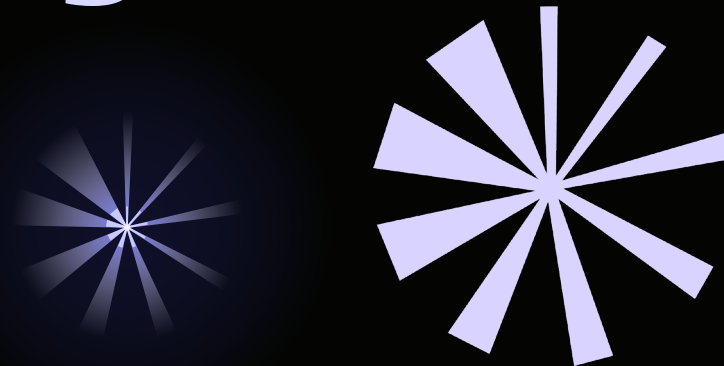
Experimentation



Lights
**Block
Sights**



Lights
**Block
Sights**



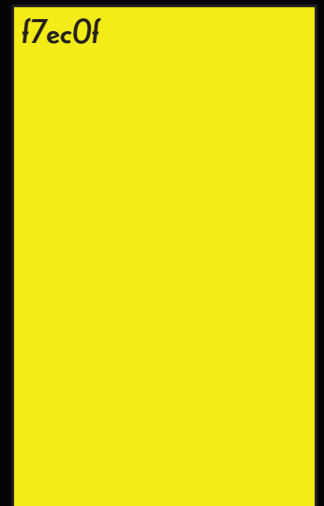
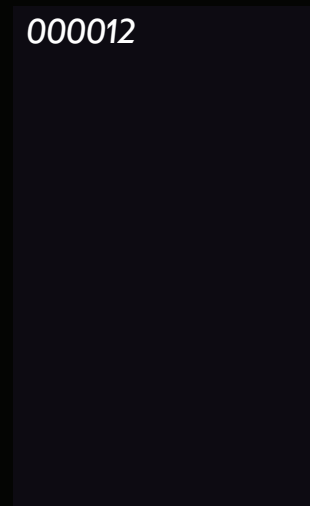
Dunbar **Tall**

Dunbar **Low**

000012

d8d3e9

f7ec0f





What
**Are You
Missing?**

What is Light Pollution?

https://youtu.be/ymI8_tXVMM4

What Are You Missing?

<https://youtu.be/cOp69XeLKv4>

Logo

<https://youtu.be/1r-2Vy9jka4>

Bottle Grade Example

<https://youtu.be/LWWUB7KswrU>

Praline

Light pollution is so minimal, the sky and air quality is considered 'pristine'

Visible Pollution

The effects of light pollution are noticed

4

Galatic Loss

Galaxy M33, located 2.73 million light years away, begins to fade from view

5

Loss of Milky Way

The Milky Way is not longer visible even after a full 40 minute optical adjustment

Zodiac Disruption

From this point the signs of the zodiac are beginning to be hidden from sight due to light pollution.

Deprived

Light Pollution levels have begun to disrupt humans biological clock, raising the risk of cancers and cataracts

6

23% of UK Population

A Gray Night

From this point downward, the natural inky black of the night is unavailable

Bright Clouds

Light pollution and its effects have illuminated the clouds so they are now brighter than the sky behind it

Behaviour Change

Many urban animals have their behaviours disrupted due to the constant high levels of light, human sleep disruption worsens

7

27% of UK Population

Constant Daylight

Human eyes no longer need to engage their night vision, causing significant disruption to sleep

100 Stars

Fewer than 100 stars can be seen within the entire night sky

8

A Starless Sky

At this point even some of the brightest stars begin to fade from view.