Light Pollution has GLOBAL IMPACTS

Light emissions from the continents represents **246,238** gigawatt-hours of energy

Representing 1% of global emissions, or the equivalent of

38 MILLION vehicle miles

80 ROUNDTRIPS from Earth to the Moon

1

Light Pollution is WASTED LIGHT

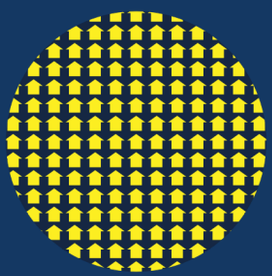
99% of outdoor light is **WASTED**

1% of outdoor light serves a useful purpose

2

Light Pollution is WASTED ENERGY

In the U.S. alone, outdoor lighting consumes about **380 tWh** every year



That's enough to power **35 MILLION** homes

3

Light Pollution drives CLIMATE CHANGE

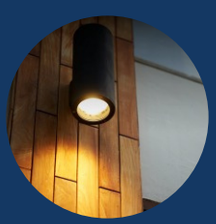
U.S. outdoor lighting creates about **228 MILLION** metric tons of **CO_2** emissions every year

Which is the same as **49 MILLION** passenger vehicles driven for a year

And would take **3.8 BILLION** tree seedlings growing 10 years to offset

4

Light Pollution has SOLUTIONS



This waste can be solved with advanced lighting controls like **DIMMING** and **MOTION SENSORS**

and transitioning to **ENERGY-EFFICIENT LEDs**

which would save **$15.4 BILLION** per year in the U.S. alone

5

3 things YOU CAN DO

1. **Assess your home's outdoor lighting**
   darksky.org/home-lighting
2. **Look for Dark-Sky Approved fixtures at your retailer**
   darksky.org/fsa
3. **Join us and be part of the international movement**
   darksky.org/join

Sources

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3. U.S. Department of Energy, 2016 *https://www.energy.gov/eere/slsc/outdoor-lighting*
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