



## Guiding Through the Darkness How Amerlux's Latest Solution Illuminates the Path Against Light Pollution

### Introduction:

Light pollution is a major issue that concerns many cities, states, environmental organizations, and federal agencies. It has significant impacts on the environment and human health, and it's important to understand why it's a growing concern.

### Primary Concerns:

**Glare | Light Trespass | Light Pollution**



**A growing concern is the blue light emitted from LED streetlights. This type of light has several negative impacts:**

**Wildlife Disruption:** Blue light affects the nocturnal activities of animals, disrupts feeding patterns, and disorients migratory birds and amphibians.

**Environmental Concerns:** It contributes to light pollution, affecting the natural dynamics of plant and animal species.

**Cultural and Social Effects:** It erodes our connection to the night sky and affects astronomers' ability to observe celestial phenomena.

**Wasted Light and Economic Costs:** About 30 percent of outdoor lighting in the U.S. is wasted, leading to unnecessary energy consumption and increased costs.

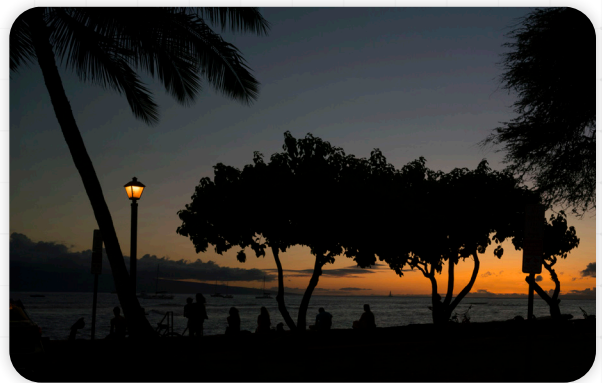
**Human Health:** Excessive blue light exposure can disrupt the circadian rhythm, leading to sleep disorders and potential long-term effects on eye health.





**Amerlux has addressed these issues in two ways.**

1. The development of a family of DarkSky Approved post top light fixtures eliminates all wasted up-light and minimizes energy usage as light is delivered to only the targeted areas.
2. The introduction of our Nightscape LED light source that limits the blue light content in our Avista Light Engine (AVI-G3). The requirement for low blue content (< 2%) is already found in legislation in Hawaii, and is being reviewed by the IES for further consideration.



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