

- Predation by Introduced Species
- Human Disturbance & Development

Electric Light at Night WHAT IS LIGHT POLLUTION? Inappropriate or excessive use of artificial light at night (ALAN).

Light pollution has serious environmental consequences for wildlife and climate, as well as negative impacts on human health.



View from Haleakalā, Maui, showing the spread of city lighting. Photo by Patrick Latter

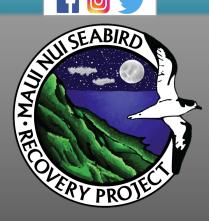
Contact Us

MNSRP

Working to locate, protect, and enhance seabirds and their habitats.

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DONATE TODAY! mauinuiseabirds.org





Maui Dark Dark Skies Reduce light pollution ** Save the night sky * Protect native species!



Cory's Shearwater grounded as a result of light distraction. Photo by Airam Rodriguez

Light Pollution Facts How Is It Harmful?

Y Health. Studies suggest that artificial patterns, increases stress, and puts us

Cosystems. Light pollution can harm all organisms, whether it be through their behavior or biology. Local species effected include seabirds and other migratory birds, sea turtles, coral, fish, and insects.

The NIGHT. Over 1/3 of the world's population, including 80% of North Americans, cannot see the Milky Way because of light pollution. Even in Hawai'i astronomical research is threatened by encroaching nighttime lighting. "Brighter" doesn't mean "safer" – glare can blind or impair our vision, especially at shorter wavelengths (blue light).



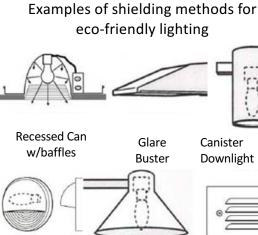
Rob Ratkowski – Milky Way at Haleakalā Crater



Recover, evaluate, and release downed ★ seabirds; while collecting data on lighting's ongoing impact on wildlife.

Provide community outreach and educational programs, including programs about eco-friendly lighting.

Appeal to local businesses and lawmakers regarding lighting upgrades and requirements.

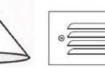


Downlight Step Light

'Evelid'



Downlight



Louvered Light

Solutions

Keep lights LOW, SHEILDED, and LONG

- County regulations dictate that lights must not shine above the horizontal plane - they must be focused down.
- **Shielding** prevents light energy from escaping upward.
- Long wavelengths (warmer light) are less polluting and safer for wildlife.



Wavelength of natural & artificial light is variable. LEDs can be filtered to emit warmer light (2700K)

Recognize and preserve Dark Sky Places with the International Dark-Sky Association at www.darksky.org.

Learn more about the Maui County Outdoor Lighting Ordinance no. 3430, bill 85, chapter 20.35. File online lighting complaints with a request for service at www.mauicounty.gov

See how light pollution regulation is helping wildlife in Florida at www.myfwc.com/conservation/youconserve/lighting/