

Is the fishing net flashlight powered by solar energy

The solution: A self-contained solar-powered light that doubles as a net buoy. The design emerged from conversations in 2018 between the researchers and gillnet fishers who ply the waters ...

Senko Lab researchers use LED lights that run on solar power. At first, they were battery-operated, but the solar energy helped reduce waste and worked more reliably with less labor.

To address these challenges, we developed a solar-powered light to illuminate gillnets that is novel in both form and function by harnessing energy from the sun, flashing at a duty cycle ...

Researchers say the green flashing lights may help sea turtles see the nets in dark water. The technology emerged from collaborative workshops between scientists and fishing ...

He said the study is the first to show the effectiveness of harnessing solar energy and flashing light to deter sea turtles from fishing nets.

While lighted nets can reduce the bycatch of sharks and sea turtles, their batteries are short lived, expensive to replace, and not always easy to dispose of. The lights themselves are also...

Instead of giving up on the idea, a group of researchers worked with gillnet fishers in Mexico to create something smarter: solar-powered LED lights that work like buoys. The lights flash ...

To get past these hurdles, researchers at Arizona State University collaborated with a team of coastal gillnet fishers to develop solar-powered lights that function as buoys, like any others ...

Scientists from Arizona State University, NOAA Fisheries and the World Wildlife Fund (WWF) worked with fishers from a coastal community in Mexico to develop a light that harnesses ...

In a study recently published in Conservation Letters, a team at Arizona State University's School of Ocean Futures found that nets equipped with solar-powered, flashing LED buoys reduced sea turtle ...

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