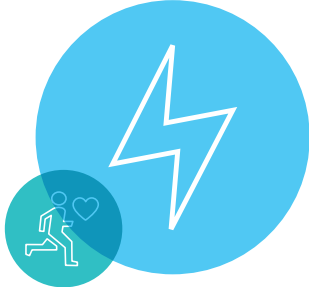


Generating Light from the Force of Gravity



→ GravityLight uses the force of gravity to create sustainable energy that makes light available to people living in off-grid areas.



ENVIRONMENTAL

GravityLight eliminates the need for kerosene lighting solutions, resulting in less indoor air pollution.



SOCIAL

Access to reliable and affordable light for the world's off-grid population has a positive impact on health and opportunities for income-generating activities.



ECONOMIC

The absence of operating costs after an affordable initial purchase generates steady and continuous savings for the customer.



Developed in UK



Deployed in Sri Lanka



By using **gravity to power an LED lamp**, this solution helps to improve access to light in off-grid areas. It takes 3 seconds to lift the weight that powers GravityLight, which will **provide up to 30 minutes of light** as the weight drops under the force of gravity. The mass weight is a bag that the user fills with 9-12.5 kg of material (dirt, rocks, or sand) which connects to the unit via a plastic strap.

A series of gears inside the device **translates this mass into energy** as a strap passes through the generating mechanism.

Why a Sustainia100 solution?

GravityLight has no reliance on the external environment, and because there are no operating costs after the initial low-cost purchase, it has the potential to lift people out of light poverty while reducing dependence on expensive and polluting fossil fuels.



Using an original yet simple approach, GravityLight aims to eliminate lighting poverty in off-grid areas.