

- Reach out to All CHILDREN
- Connect with Rural Communities
- Fight Climate Change
- Empower Youth
- #LightupUganda

Provide MILLIONS of CHILDREN with the Gift of a Solar Light



### FIGHT CLIMATE CHANGE

By reducing air and INDOOR air pollution



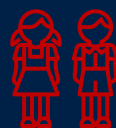
### IMPROVE CHILD EDUCATION

Increase study hours outside the classroom



### REDUCE HEALTH RISKS

Reduce cancers, lung diseases and strokes



### SECURITY & PROTECTION

Giving women and children the ability to move freely, safely and securely at night

# #OneMillionLights



# LIGHT UP UGANDA

**Light-up EVERY HOUSEHOLD in  
Urban & Rural Areas**

**Improve Children's Education**

**Empower Youth**

**Impact Climate Change Positively**

**Reduce Health Risks**

**Increase Safety & Security**

**Raise Awareness of Renewable  
(solar) Energy**

## How **big** is the **UGANDA** market?

- **43.7** million population (UBOS Mid-year 2022)
- **55%** of population below 18 years of age
- **25%** of the population enrolled in Primary education or below.
- One of the **youngest** populations in the world
- **83%** of the population lives in Rural setting
- **33%** electrification rate in Rural areas (World Bank 2020)

## REACH MILLIONS of CHILDREN through the GIFT OF LIGHT



There are over twelve million children enrolled in schools in Uganda that could benefit from a safe, clean and bright solar light to use after school.

### School Enrollment for Boys and Girls (2016)

Level	No of Schools	Enrolment (Male)	Enrolment (Female)	Enrolment Total
Pre-Primary	6,798	279,089	284,824	563,913
Primary	19,718	4,294,473	4,361,451	8,655,924
Secondary	3,070	765,406	691,871	1,457,277
Government	1,058	368,236	310,979	679,215
Private	2,012	397,170	380,892	778,062
<b>TOTAL</b>				<b>12,134,391</b>

# 12,134,391



Enrollment Total for Boys and Girls (2016)

: Education Management Information System (EMIS) 2016



Provide **MILLIONS** of  
**CHILDREN** with the  
Gift of a Solar Light

## SOLAR SOLUTION

FOR MILLIONS OF  
SCHOOL CHILDREN  
ALLOVER THE  
COUNTRY

Africa and Uganda's most innovative and renewable solar light provides continued support for children in education, security at night for women and families while simultaneously fighting climate change.

**Africa's most innovative solar light** is simple to use, versatile, portable and brings light to every book, homework, exam revision, cooking, family and dinner time!

**Provide MILLIONS of CHILDREN with the Gift of a Solar Light**



**FIGHT CLIMATE CHANGE**



**REDUCE HEALTH RISKS**



**IMPROVE CHILD EDUCATION**



**SECURITY & PROTECTION**

### **POSITIVE IMPACT OF THE SOLAR LIGHT**

- More Learning Hours
- More Reading Time
- Improved Exam Results
- Better School Attendance
- Better for Health
- Saves Household Income
- More Motivation
- Improved Confidence
- Better Concentration
- More Girls in Education
- Positive Impact on Climate
- Clean Energy

Provide **MILLIONS** of **CHILDREN** with the **Gift of a Solar Light**

**Designed with our team of experts in the United Kingdom** we use the highest quality components and craftsmanship to ensure long product life.

## SOLAR LIGHT IMAGES



## DESIGNED IN U.K.



### SPECIFICATIONS

PV Module Type	Monocrystalline
Battery Type	LiFEPO4
Lamp Type	LED
Brightness (Lumens)	25 Lumens
Full Battery Runtime	6 - 10 hours
Solar Charging Time	4 hours
Lifespan	5 Years

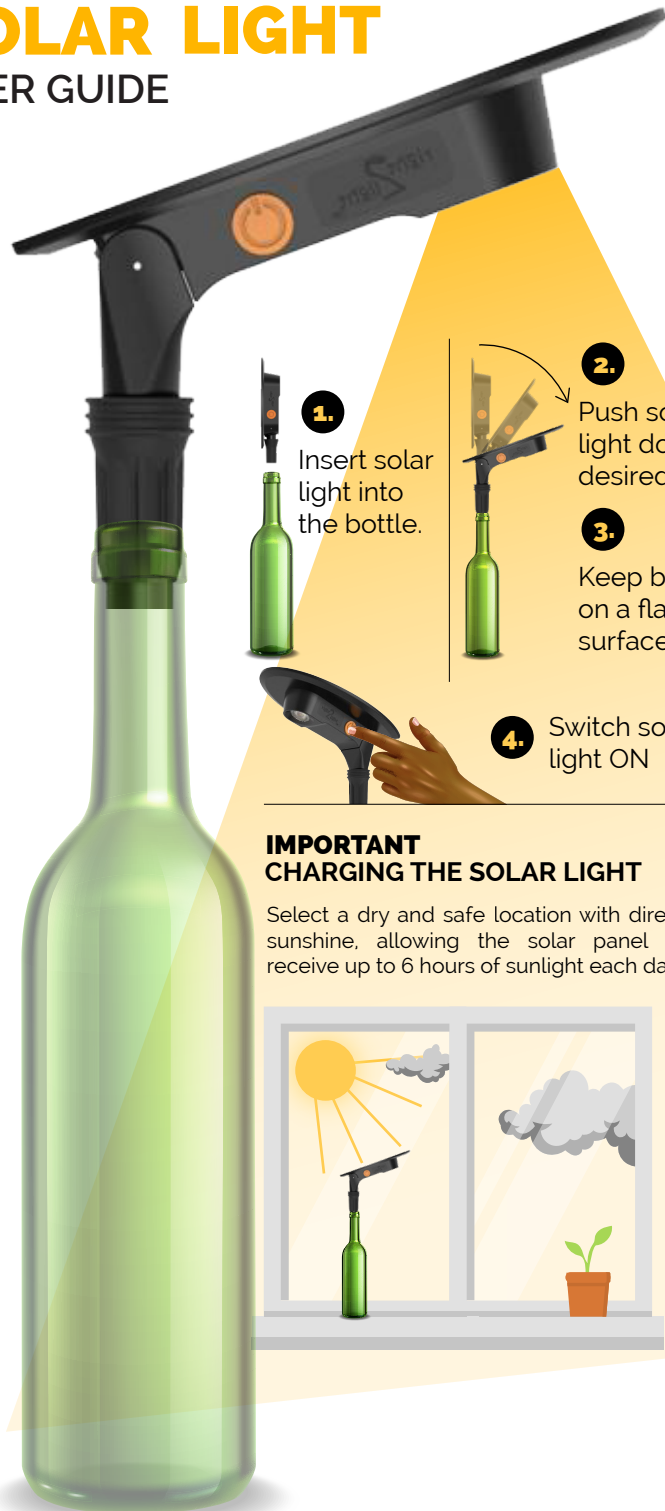
### KEY FEATURES

- Patentend design
- Use any bottle as a light stand
- Adjustable angle
- Ultra-bright LED
- Solar Panel (USA)
- A-grade LiFEPO4 battery
- High quality material
- Durable
- Robust

Designed with our team of experts in the United Kingdom we use the highest quality components and craftsmanship to ensure long product life.

Provide MILLIONS of CHILDREN with the Gift of a Solar Light

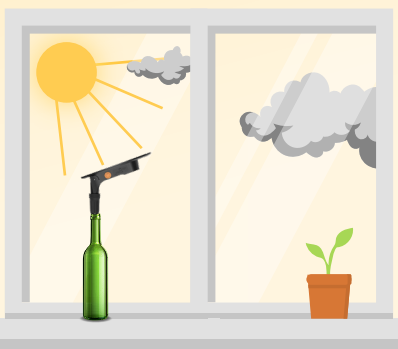
## SOLAR LIGHT USER GUIDE



1. Insert solar light into the bottle.
2. Push solar light down to desired angle.
3. Keep bottle on a flat surface.
4. Switch solar light ON.

### IMPORTANT CHARGING THE SOLAR LIGHT

Select a dry and safe location with direct sunshine, allowing the solar panel to receive up to 6 hours of sunlight each day.



Up to **10** Hours of light everyday

Up to **5** Years Life span

**MILLIONS** of CHILDREN REACHED

Provide **MILLIONS** of **CHILDREN** with the **Gift of a Solar Light**

**POSITIVE IMPACT** of **SOLAR LIGHT**  
for **MILLIONS OF CHILDREN AND FAMILIES**

## IMPACT **Education**

**A SOLAR LIGHT ALLOWS A CHILD TO STUDY AND READ AT NIGHT**

With access to this bright, safe, clean and free light, children can do extra hours of homework and reading each day.

Studies have shown improvements in performance, attendance, concentration and motivation of pupils at school.

- ✓ **More Learning Hours**
- ✓ **More Reading Time**
- ✓ **Better Exam Results**
- ✓ **Better School Attendance**



## IMPACT **Health, Safety & Security**

**A SOLAR LIGHT REDUCES INDOOR AIR POLLUTION, FIRE & POISONING**

Elimination of using a kerosene lamp reduces indoor air pollution and an improvement in health as a result; including a reduction in coughing, chest problems, eye irritation and illness.



**170 CIGARETTES**  
**Every year**



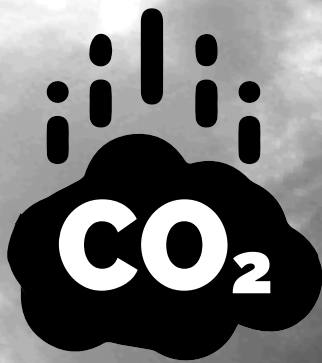
## POSITIVE IMPACT of SOLAR LIGHT for MILLIONS OF CHILDREN AND FAMILIES

Provide **MILLIONS** of  
**CHILDREN** with the  
**Gift of a Solar Light**

### IMPACT **Environment & Climate**

**A SOLAR LIGHT CAN FIGHT CLIMATE CHANGE & REDUCE CO<sub>2</sub> EMISSIONS**

Each kerosene lamp emits on average 370kg of CO<sub>2</sub> and equivalent in the form of black carbon, each year (1.1 tonnes over 3 years). Eliminating toxic black carbon is a quick and effective way to mitigate climate change.



- ✗ TOXIC**
- ✗ DANGEROUS**
- ✗ COSTLY**

### IMPACT **Household Income**

**A SOLAR LIGHT CAN HELP LIFT  
MILLIONS OUT OF FUEL POVERTY**

Lighting is often the most expensive item in the household budget of Africa's poorest families, typically 10–15% of total household income.

When families switch from kerosene to solar they can save up to \$96 annually; additional income is spent on food, education and investment in livelihoods.



**SAVE UP TO  
\$96 PER YEAR**



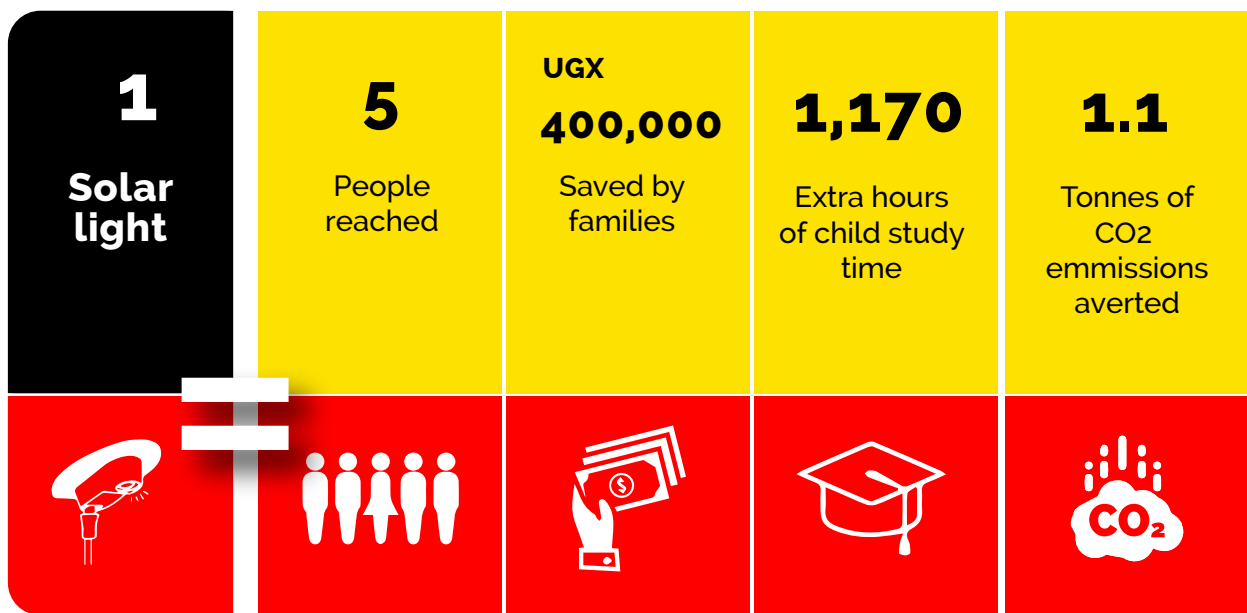
# THE GIFT OF LIGHT



Provide **MILLIONS** of **CHILDREN** with the Gift of a Solar Light

## Impact Calculator

One Solar Light can have a **BIG** impact on families.



Numbers based on the minimum 3 year life-span of one solar light



# INDOOR AIR POLLUTION A SILENT KILLER



In Uganda, school children do their homework in the evenings by the light of kerosene lamps which are widely used for lighting in rural areas of Africa where there is no electricity.

**Provide MILLIONS of CHILDREN with the Gift of a Solar Light**

## Kerosene Lamps KILL

Kerosene lamps emit a thick black smoke. The air pollution kills more people than **HIV** and **Malaria** combined, annually

**190** MILLION TONNES

of CO<sub>2</sub> emitted from fuel-based lighting, every year!

**600** MILLION PEOPLE

live without access to electricity

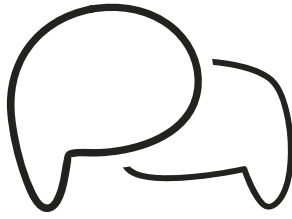
**170** CIGARETTES

equivalent for every kerosene lamp that burns for a year



**1** MILLION CHILDREN die or injured from severe burns in Africa, every year!

Provide MILLIONS of CHILDREN with the Gift of a Solar Light



## True Stories

**Name:** Kiara  
**Occupation:** Student  
**Age:** 7 Years  
**Country:** Tanzania

"Me and my daughter Kiara can spend more time together. After she finishes her homework we read a story book before goes to sleep. The light has made us happy"



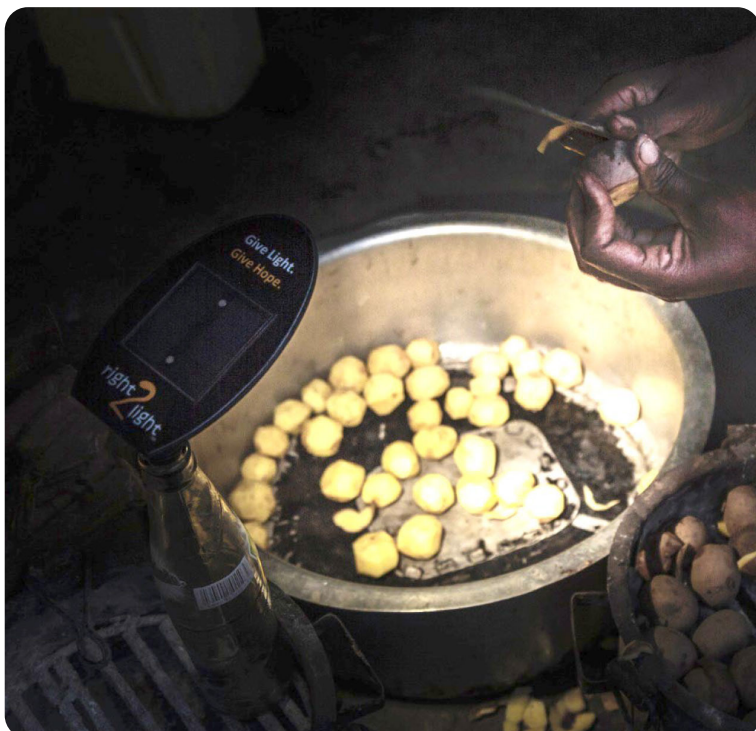
**Name:** Mrs. Maurine  
**Occupation:** Housewife  
**Age:** 44 Years  
**Country:** Uganda

"Every evening I cut the vegetables and prepare the dinner for my family. The light is bright and I don't have to worry about the smell from kerosene anymore"

## True Stories



Provide **MILLIONS** of **CHILDREN** with the **Gift of a Solar Light**



**Name:** Mama Josephine  
**Occupation:** Market Trader  
**Age:** 51 Years  
**Country:** Kenya

"The Solar Light allows me to prepare my food in the evening at home so I can sell on the markets the next day"

**Name:** Safina  
**Occupation:** Student  
**Age:** 11 Years  
**Country:** Rwanda

"I want to be a doctor when I grow up. Now I can do my homework, revise for exams and read books."



Provide **MILLIONS** of **CHILDREN** with the **Gift of a Solar Light**

## UGANDA Country Profile

The Republic of Uganda is a landlocked country in East Africa. The country is bordered to the east by Kenya, to the north by South Sudan, to the west by the Democratic Republic of the Congo, to the south-west by Rwanda, and to the south by Tanzania. The southern part of the country includes a substantial portion of Lake Victoria, shared with Kenya and Tanzania. Uganda is in the African Great Lakes region. Uganda also lies within the Nile basin and has a varied but generally a modified equatorial climate. It has a population of around 43.7 million. Uganda is named after the Buganda kingdom, which encompasses a large portion of the south of the country, including the capital Kampala and whose language Luganda is widely spoken throughout the country.

### FACTS

#### Population

**43.7** Million

(UBOS Mid-year 2022)

**Area** 241,038 sq km

#### Major Religions

Christianity, Islam

#### 📍 Republic of Uganda

Capital: Kampala

#### Calling code

+256

#### Currency

Ugandan Shilling (UGX)





## UGANDA Country Profile

Provide **MILLIONS** of  
**CHILDREN** with the  
Gift of a Solar Light

Uganda is a country with huge renewable energy resources potential, including hydro and solar power. However, large parts of the population still does not have access to electricity, especially rural areas.

# 80%

**Of Uganda's school age children and youth live in rural off grid areas.**

These learners face difficulties in accessing home learning technologies and even the few who have access find difficulty in powering these learning tools.

Source: World Bank Data

# 36%

## RURAL

communities have access to electricity with households still using kerosene, candles and battery powered torches as sources of lighting.



# SUSTAINABLE DEVELOPMENT GOALS (SDGs)

Provide **MILLIONS** of **CHILDREN** with the **Gift of a Solar Light**

The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future. At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries - developed and developing - in a global partnership. They recognize that ending poverty and other deprivations must go hand-in-hand with strategies that improve health and education, reduce inequality, and spur economic growth – all while tackling climate change and working to preserve our oceans and forests



**United Nations**

## Through our solar light we aim to IMPACT key SDGs, set by the United Nations

**04**  
QUALITY EDUCATION

A white icon of a graduation cap (mortarboard) on a red background.

**05**  
GENDER EQUALITY

A white icon of a female symbol with an equals sign, representing gender equality, on a red background.

**07**  
AFFORDABLE AND CLEAN ENERGY

A white icon of a sun with rays, representing clean energy, on a yellow background.

**08**  
DECENT WORK AND ECONOMIC GROWTH

A white icon of a bar chart with an upward-pointing arrow, representing economic growth, on a purple background.

**13**  
CLIMATE ACTION

A white icon of a globe with a leaf, representing climate action, on a green background.

Our core focus is to IMPACT as many areas as possible such that it enables us to broaden our market and partners in spreading the light

Provide **MILLIONS** of **CHILDREN** with the **Gift of a Solar Light**

## Our solar lighting solution helps provide energy access, directly underpinning Goal 7. Its also helps meet many other SDG's:

7

### EDUCATION

04

05

07

08

#### A SOLAR LIGHT ALLOWS A CHILD TO STUDY AND READ AT NIGHT

With a bright, safe, clean solar light children can do extra hours of homework and reading each night. Studies have shown improvements in performance, attendance, concentration and motivation of pupils at school.

### ENVIRONMENT & CLIMATE

07

13

#### A SOLAR LIGHT CAN FIGHT CLIMATE CHANGE AND REDUCE CO2 EMISSIONS

Each Kerosene lamp emits 370Kg of CO2 emissions in the form of black carbon each year. Eliminating black carbon is a quick and effective way to mitigate climate change.

### HEALTH, SAFETY & SECURITY

03

07

#### A SOLAR LIGHT REDUCES INDOOR AIR POLLUTION AND INCREASES MOBILITY AT NIGHT

By the elimination of using a kerosene lamp studies have shown an improvement in health as a result; including reduction in coughing, chest problems, eye irritation and other illnesses. It also gives women and children the ability to move freely in the night within the refugee camps deterring potential poisonous snakes and safety from rape.

### HOUSEHOLD INCOME

01

07

08

#### A SOLAR LIGHT CAN HELP FAMILIES OUT OF FUEL POVERTY

Lighting is often the most expensive item in the household budget of Africa's poorest families, typically 10-15% of total household income. When families switch to solar they can make immediate savings.





**7 AFFORDABLE AND  
CLEAN ENERGY**



**4 QUALITY  
EDUCATION**



**5 GENDER  
EQUALITY**



**8 DECENT WORK AND  
ECONOMIC GROWTH**



**13 CLIMATE  
ACTION**



**e-Learner  
Uganda**  
Innovative learning for digital minds

SOLAR LIGHT

SOLAR LIGHT

**The Future is Digital,  
So is Education**

[www.elearner.education](http://www.elearner.education)

**Partner with us and help GIFT Clean  
Energy to millions of children with  
Africa's most innovative SOLAR LIGHT**