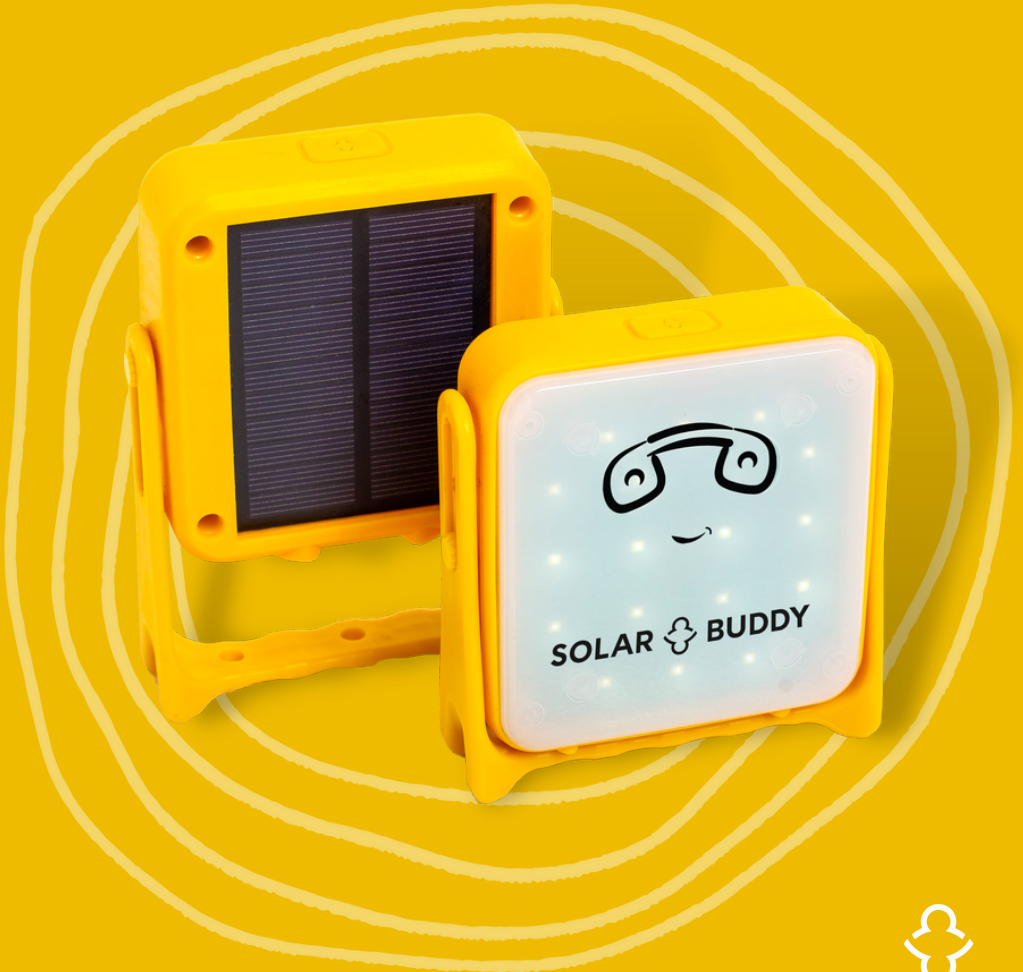




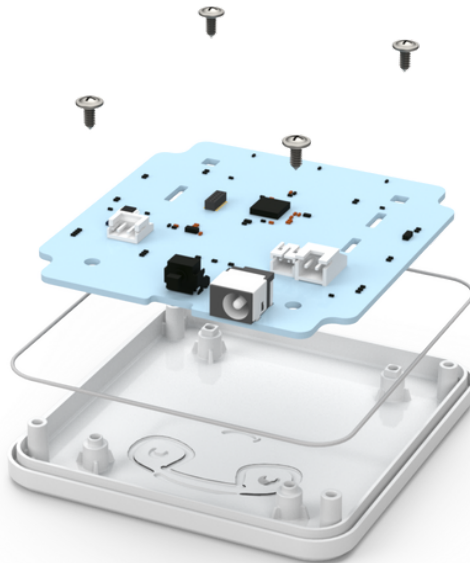
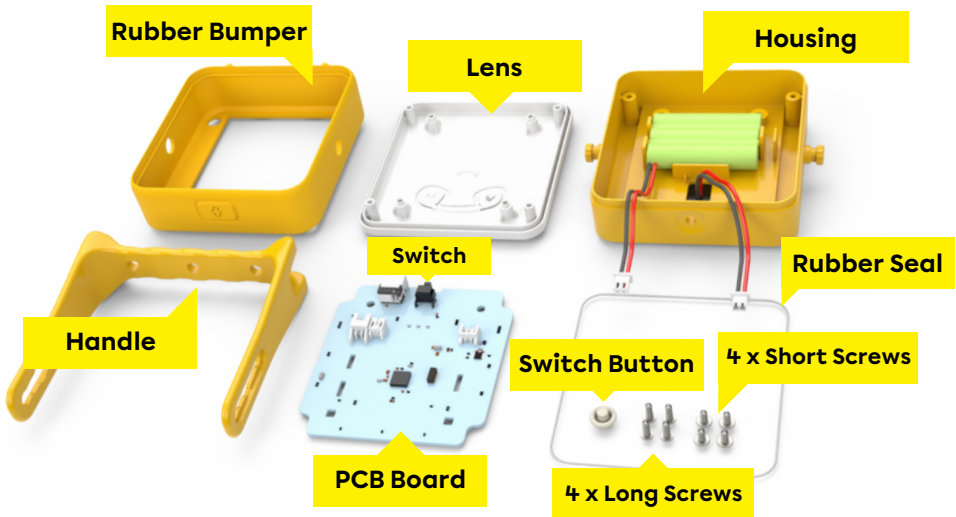
# HOW TO:

Build your JuniorBuddy



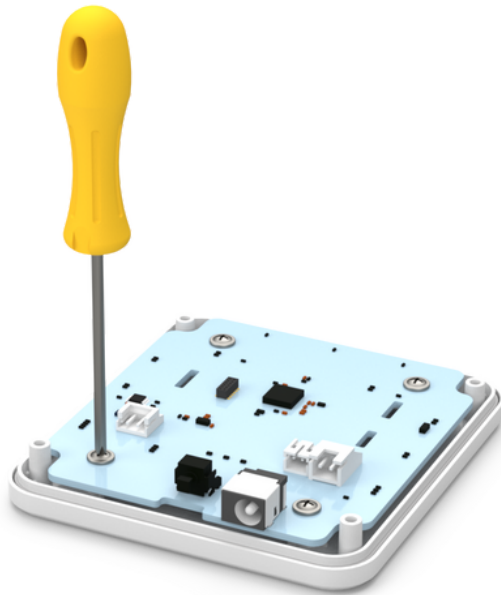
SOLAR  
BUDDY

## Starting components



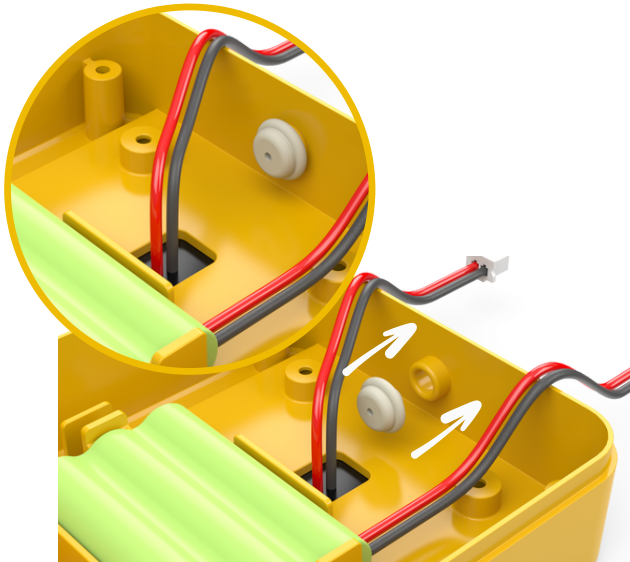
1

Install the rubber seal to the outside border of the lens to ensure the light is waterproof. Make sure the switch on the PCB and the face on the front of the lens are on the same edge.



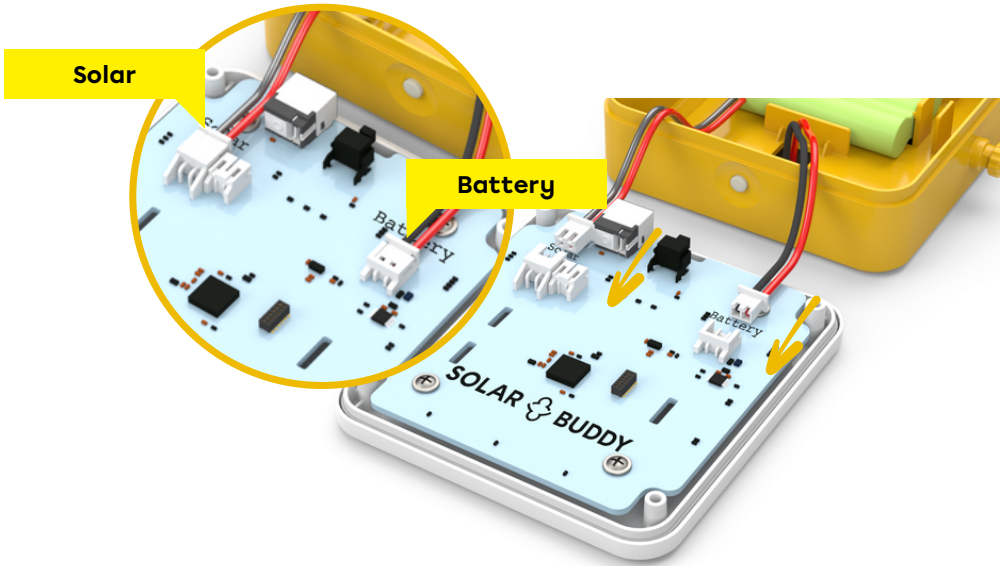
2

Place the short screws in the 4 holes in the corners and tighten with the screw driver provided.



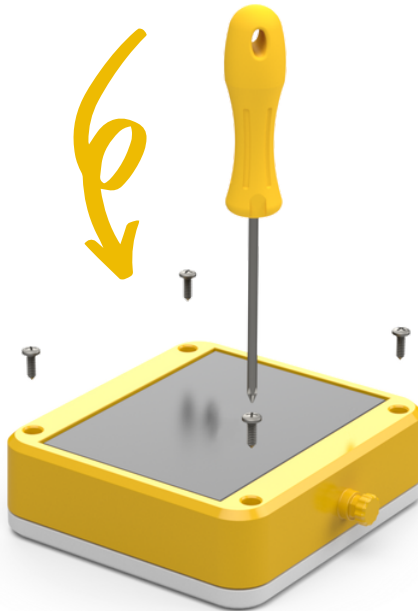
3

Install the switch button.



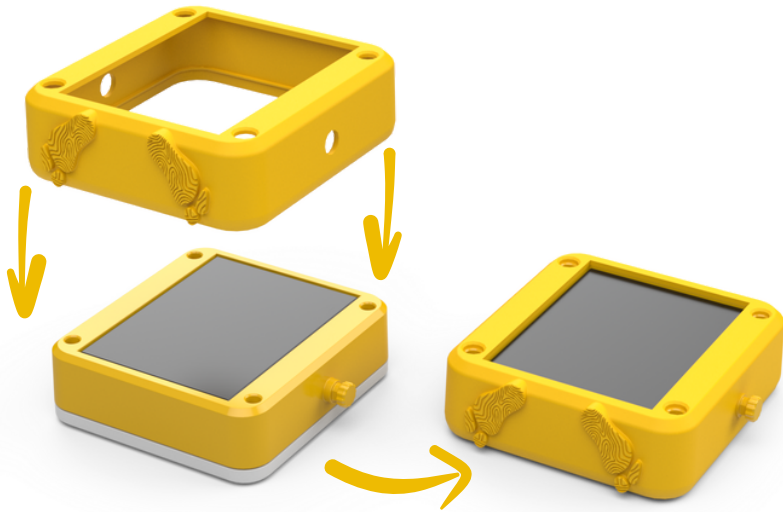
4

Place the wires from the battery and the solar panel into their labelled input.



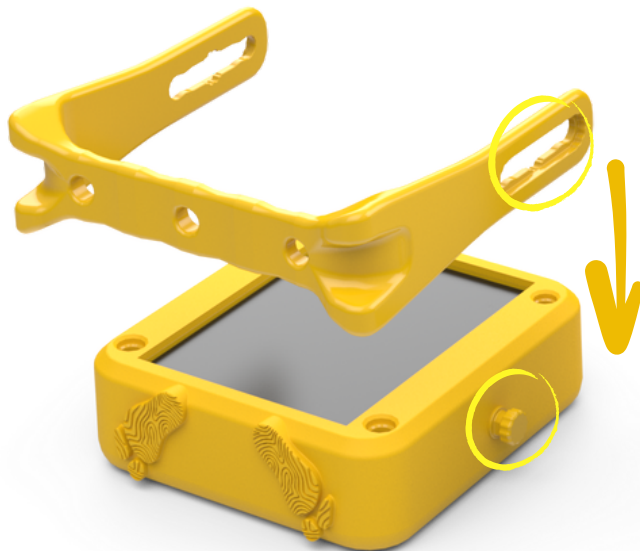
5

Install the large screws to secure the lens to the housing.



6

Wrap the light with the rubber bumper ensuring the button is on the top, and the feet are at the bottom.

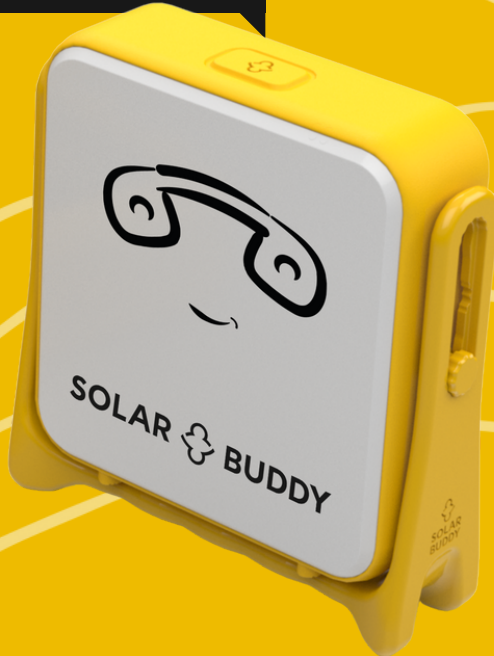


7

Line up the middle hole on the handle with the brackets on the side of the light. When both sides are hooked into the ridge, slide the brackets to the end so the light stands up.

# COMPLETE

TEST YOUR LIGHT NOW!



## CONGRATULATIONS!

You've completed the JuniorBuddy Program!

Share your builds with us **#solarbuddy**



@solar\_buddy



@solarbuddy.org



@solarbuddyorg



@solarbuddyaustralia



@SolarBuddy

# LetterBuddy Program

because words have power

You are already transforming lives with light, and now you can send a letter of encouragement to a child who will receive this gift. Words have power and this is a wonderful way for you to convey a message that otherwise may never be heard.

Your letter will be treasured and reread many times, as this is often the most formal communication the children have ever seen.

**Ready to connect direct  
with your buddy?**



### 1. Scan

Scan the QR code which will open up a letter template.

### 2. Get creative!

You supply the compassion and creativity! Colourful text and emojis are welcomed as are drawings or inspirational messages to your buddy.

### 3. Submit

When complete, please email to [letters@solarbuddy.org](mailto:letters@solarbuddy.org). Students - please send your letter to your teacher for review and collation.

Once we receive your letters we will gift it (along with your JuniorBuddy light) to a child who will never forget your kindness.

**Thank you for being an amazing  
Global Citizen!**

SCAN HERE  
TO BEGIN



# Product Features + Technical Specifications

## 2 Light Settings

High Mode: 145 Lumen

Battery Life: 8 Hours

Low Mode: 70 Lumen

Battery Life: 18 Hours

## Built in PolyCrystalline Solar Panel

9-12 Hours for full Solar Charge

## Humanised design

Intentionally humanised to make it more accessible to children unfamiliar with solar technology



## Durable Plastic Casing

IP54 Waterproof rated

Sun Exposure Protection

## Multi Purpose Handle

Handle with multiple settings so the light can be hung from the ceiling, used for focused study, as a lamp to light up a room or held for safety walking at night

- ✓ 750mAh 3.6V NiMH Battery
- ✓ Battery Charging Indicator
- ✓ Battery Level Indicator
- ✓ Low Battery Auto Shutdown
- ✓ Overcharge and Over-Discharge Protection



# SOLAR BUDDY



[enquiries@solarbuddy.org](mailto:enquiries@solarbuddy.org)



+61 7 3257 7380



1/36 Wyandra Street,  
Newstead, QLD 4006

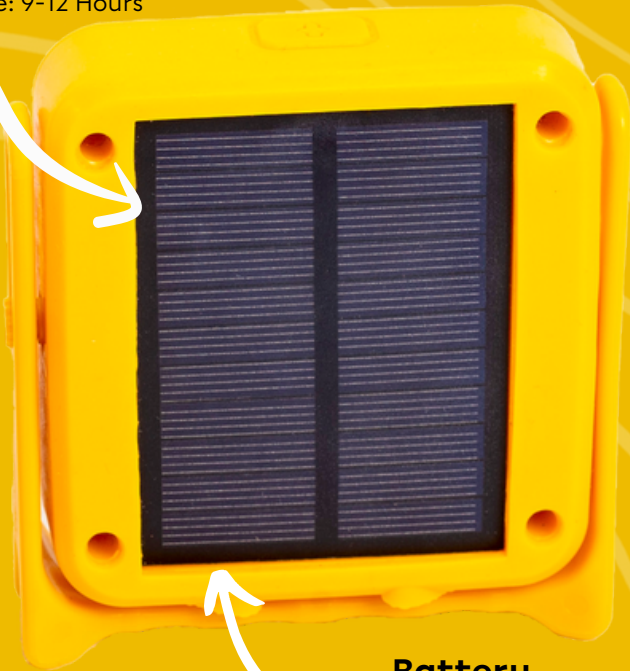
[www.solarbuddy.org](http://www.solarbuddy.org)

## Technical Specifications

- ✓ Weight: 350g
- ✓ Size with stand: 105x 98mm
- ✓ Size without stand: 95 x 90mm
- ✓ Width: 30mm
- ✓ Solar Panel (poly)
- ✓ 2 White Light Modes: Low and High
- ✓ Output for low mode: 70 Lumen
- ✓ Output for high mode: 145 Lumen
- ✓ 750mAh 3.6V NiMH Battery
- ✓ 9-12 Hours for full Solar Charge
- ✓ 18 White LEDs and 1 RGB LED
- ✓ IP54 Waterproof rated
- ✓ Sun Exposure Protection
- ✓ Battery Charging Indicator
- ✓ Battery Level Indicator
- ✓ Low Battery Auto Shutdown
- ✓ Overcharge and Over-Discharge Protection

### Solar Panel

Built in (Poly) Solar Panel  
Full Charge Time: 9-12 Hours



### Battery

Chemistry: 3.6V NiMH  
Battery Capacity: 750mAh