

# StudentBuddy

## Technical Specifications

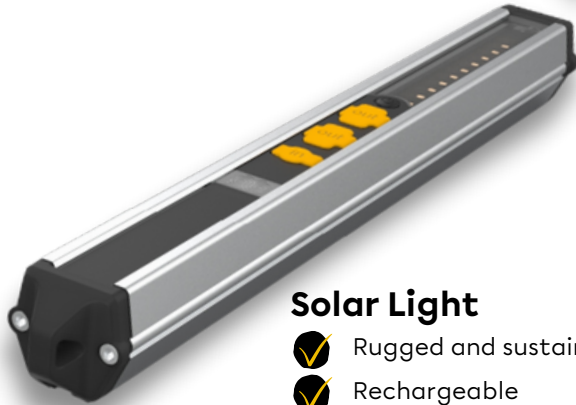


# PRODUCT FEATURES

StudentBuddy is a sustainable multifunction, solar device that provides mobile or fixed lighting for individuals or rooms while simultaneously charging devices, thereby empowering digital access and inclusion.

## Solar Panel

- ✓ All aluminium parts 100% recyclable
- ✓ 100% repairable design
- ✓ Lockable stand for floor or roof mounting
- ✓ Cable management feature
- ✓ Compact and lightweight design



## Solar Light

- ✓ Rugged and sustainably designed
- ✓ Rechargeable
- ✓ Power pack storage capabilities
- ✓ Ability to attach to different stands
- ✓ Enclosure rating to IP54
- ✓ Materials UV stable for up to 5 years in full sun
- ✓ All aluminium parts 100% recyclable
- ✓ 100% repairable design

# TECHNICAL SPECIFICATIONS

- Weight: 1.2kg per unit
- Panel: 35cm x 21cm x 3.5cm
- Light: 37.5cm x 5cm x 4.5cm
  
- External 5.5W Solar Panel (poly)
- 2 metres Solar Panel cable
- DC Jack Input for Solar Panel up to 5.5V
- Output for the LED Bar: 120/320 Lumen Light
- Output for the Torch: 150 Lumen Light
- 3 Light settings: Low, High and Torch
- IP54 Waterproof rated
- Sun Exposure Protection
- Up to 50 hours of light on low-mode
- Up to 6 hours of light on high-mode
- Up to 6 hours of light on torch-mode
- 3000mAh 3.6V Lithium-Ion Battery
- 4 to 5 Hours Solar Charge Time
- USB 5V output port to charge other devices
- 10 x Warm White LEDs
- 1 x High-Power Natural White LED
- 2 x RGB LEDs
- Battery Charging Indicator
- Battery OK and Low-Level Indicator
- Low Battery Auto Shutdown
- Overcharge and Over-Discharge Protections

**Up to 1000mA Charging current**  
**Up to 500mA USB output current**  
**Over 6 months of standby battery charge**



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