ZOLUNA

SOLAR CHARGED. MOON READY

DUTCH DESIGN · SOLAR LIGHTING



USER MANUAL

ARIE

Solar spike light

MODEL SL-0001 | BLACK | EN · 2027



WELCOME

Garden light, made simple.

Thank you for choosing ARIE. This slim solar spike light charges by day and switches itself on at dusk: no cables, no electrician, no switches to remember.

Please read this manual before use and keep it for future reference. You can always find the latest version via the QR code in your box or at **www.zoluna.nl**.

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READ THIS FIRST

Before you start

ARIE is a battery powered light. It is safe, low voltage and easy to use, as long as you keep the points below in mind.

SAFETY

- Do not use the light if the housing, diffuser or solar panel is damaged.
- Do not open the LED module or the solar panel. Only the battery compartment may be opened by the user.
- Use only an 18650 Li-ion cell, 3.7 V, of the same type as supplied. Never use non rechargeable batteries.
- Do not short circuit, puncture, heat or burn the battery, and keep it away from fire.
- Keep the battery and small parts away from children and pets.
- Do not modify the product. Any modification voids the warranty.

GOOD TO KNOW

- For outdoor use. Weather resistant to IP54: protected against dust and splashing water. Do not immerse and do not place it where water collects.
- Works between −20 °C and +50 °C.
- The LED cannot be replaced. The battery can.
- Charges by sunlight only; there is no USB port.

> **Charge before first use.** The light arrives switched off. Switch it on and let it charge in direct sunlight for 1 to 2 sunny days before judging its runtime.

YOU WILL NEED

Nothing for soft soil. A watering can helps in hard ground.

TIME

About 2 minutes to assemble. 1 to 2 sunny days for the first full charge.

QUESTIONS?

info@zoluna.nl
www.zoluna.nl



UNBOXING

What's in the box

1 ×
Lamp head with solar panel and battery

1 ×
Light pillar

1 ×
Ground spike

1 ×
Manual

Product overview



1 Solar panel	On top of the head. Charges the battery by day.
2 LED	30 warm white LEDs, 2700 K, 100 lm, under the head.
3 ON/OFF · MODE button	Under the solar panel, on the back of the head.
4 Light pillar	Slim pillar with ribbed detail.
5 Ground spike	Pushes into the bottom of the pillar.

Integrated light sensor: ARIE switches on automatically when it gets dark and off at dawn.



BEFORE YOU START

Choosing the right spot

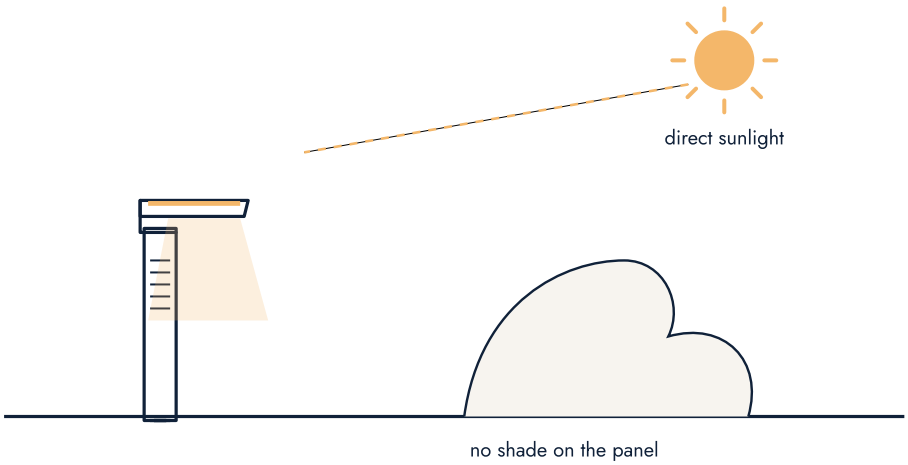
Where you place ARIE decides how well it performs. The solar panel needs daylight.

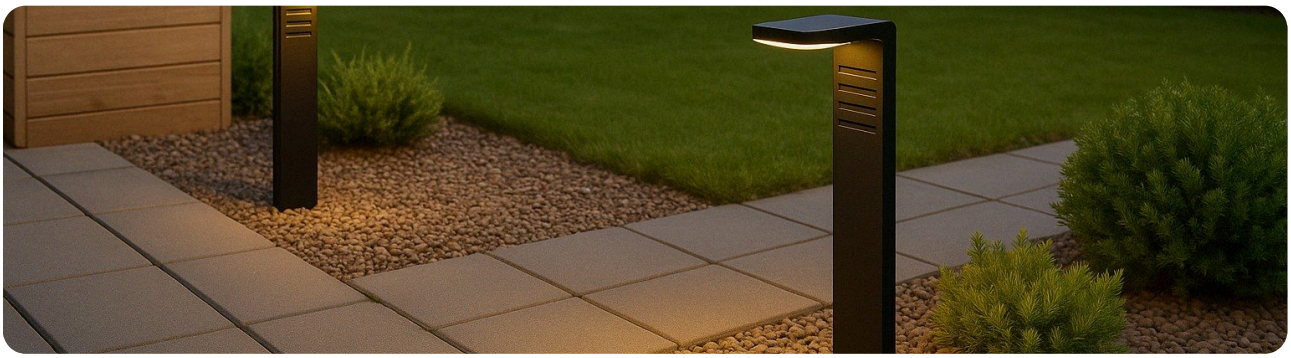
FOR THE BEST CHARGE

- Choose a spot with at least 6 to 8 hours of direct sunlight a day.
- Avoid shade from trees, shrubs, walls and roof overhangs.
- Keep the panel clean and unobstructed.

FOR THE RIGHT EFFECT

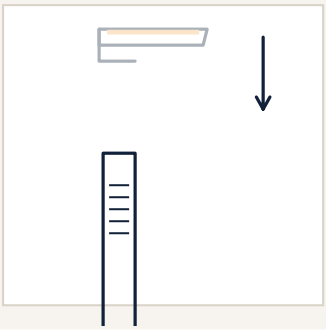
- Keep away from porch lights, street lights and other lamps: at night they can make ARIE think it is still day.
- Along a path, place the lights 1 to 2 m apart for an even line of light.
- Use soft, level ground so the light stands straight.





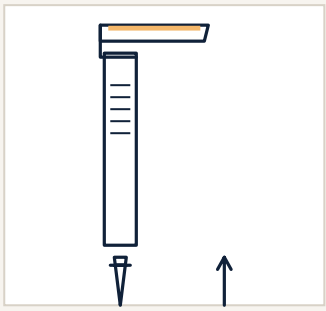
STEP BY STEP

Installation



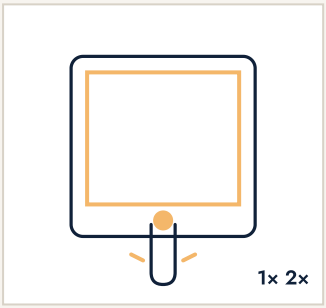
1 Fit the head

Insert the lamp head into the top of the light pillar until it clicks into place.



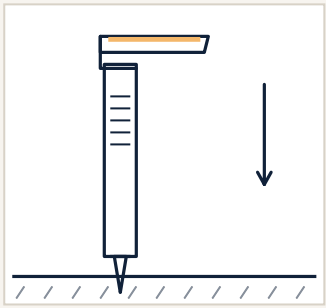
2 Fit the spike

Push the ground spike firmly into the bottom of the pillar.



3 Switch on

The light arrives switched off. Press the button under the solar panel, on the back of the head: once for dim, twice for bright.



4 Place in the ground

Push the light straight into soft soil. Press on the pillar, never on the head. In hard soil, water the spot first.

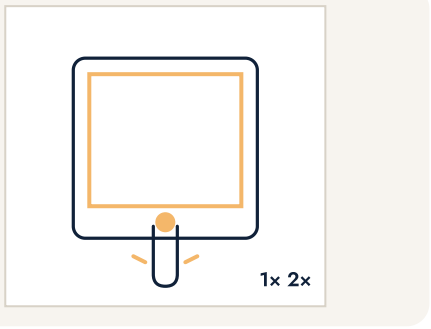


OPERATION

Switching on & the 2 light levels

ARIE has one button, under the solar panel on the back of the head. The light arrives switched **off**.

Press once for **dim light**, press twice for **bright light**. Press again to switch off.



PRESS 1 ×

Dim light

A soft glow all night. Up to about 12 hours on a full battery.*

PRESS 2 ×

Bright light

Maximum light output. Up to about 10 hours on a full battery.*

* Typical values from the supplier with a fully charged battery. Actual runtime depends on sunlight, season, temperature and battery age.

DUSK TO DAWN

ARIE lights up automatically when it gets dark and switches off at dawn. To test it in daylight, cover the solar panel with your hand.

COLD WEATHER

Below about –10 °C ARIE may switch off to protect the battery. This is not a defect: it works again once it gets warmer.

ENERGY

Charging & battery life

SOLAR CHARGING

The 1.5 W monocrystalline solar panel charges the battery whenever there is daylight, also when the light is switched off. A full charge takes 6 to 8 hours of direct sun.

On cloudy days the panel still charges, but more slowly. After several grey days in a row the runtime will be shorter.

SEASONS

In winter there is less sun and the nights are long. Use the dim setting from November to February for the longest runtime.

NO USB PORT

ARIE is designed to run on sunlight alone. If the battery is empty after a long dark period, switch the light off and leave it in direct sun for 1 to 2 days to recharge.

GETTING THE MOST FROM YOUR BATTERY

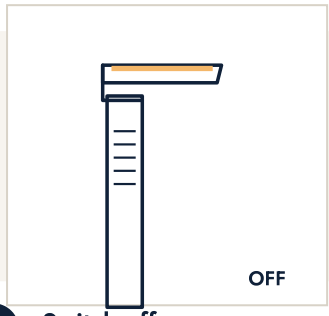
- Keep the solar panel clean and free of dust, snow and leaves.
- Storing ARIE for a long time? Switch it off and store it charged, in a dry place between 10 and 25 °C. Recharge every 3 months.
- Battery capacity naturally decreases over time; typically after 2 to 3 years the runtime becomes noticeably shorter.

1.5 W	6 to 8 h	12 h	100 lm
mono solar panel	full charge by sun	max. runtime (dim)	warm white 2700 K

MAINTENANCE

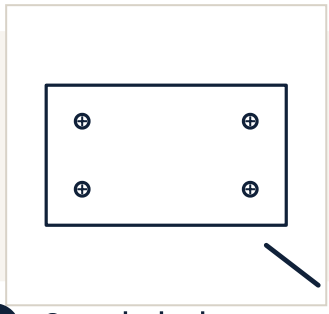
The battery

ARIE's battery is replaceable by yourself, so a tired battery never means a new light.



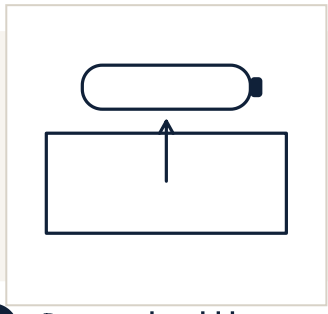
1 Switch off

Press the button until the light is off and pull the light out of the ground.



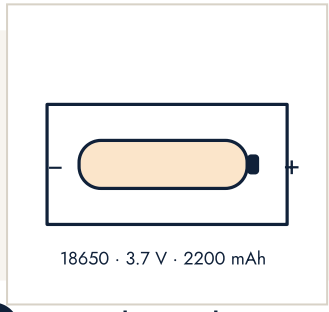
2 Open the back cover

The battery sits under the solar panel. Unscrew the back cover of the head with a small screwdriver.



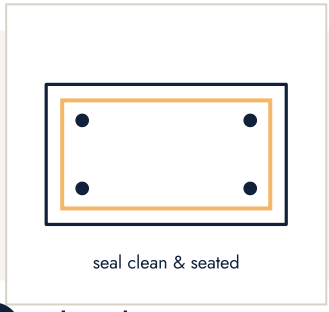
3 Remove the old battery

Carefully take out the old 18650 cell. Check that the wiring is intact.



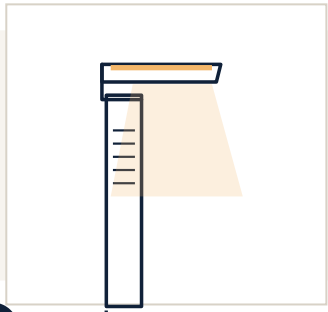
4 Insert the new battery

Insert a new 18650 Li-ion cell, 3.7 V, 2200 mAh. Match + and – with the markings.



5 Close the cover

Check the seal and refit the back cover and screws evenly.



6 Switch on

Switch the light on again and let it charge in the sun before use.

REPLACEMENT BATTERY

Type	18650 rechargeable Li-ion cell
Voltage	3.7 V
Capacity	2200 mAh (8.14 Wh)
When	We recommend a new battery every 1.5 to 2 years

IMPORTANT

- Never use non rechargeable batteries or a different battery type.
- Replace the battery in a dry place, never in the rain.
- Hand in the old battery at a battery collection point, never with household waste.

LOOKING AFTER ARIE

Care & maintenance

- Clean the housing, diffuser and solar panel a few times a year with a soft, damp cloth. Do not use abrasives, solvents, a garden hose or a pressure washer.
- Coastal air, fertiliser and lawn treatments can affect the finish: wipe it down regularly.
- Brush off snow, dust and leaves so the panel keeps charging.
- Clean the solar panel every 3 months for a consistent glow.

SOMETHING NOT RIGHT?

Troubleshooting

PROBLEM	POSSIBLE CAUSE	SOLUTION
Light does not switch on at night	Light is switched off	Press the button under the solar panel.
	Battery empty	Let it charge 1 to 2 sunny days.
	Other light source nearby	Move ARIE away from porch or street lights.
Short runtime	Too little sun / winter	Choose a sunnier spot or the dim setting.
	Dirty solar panel	Clean the panel with a damp cloth.
	Battery aged	Replace the battery (page 09).
Light off in frost	Battery protection below –10 °C	Normal: it works again when it is warmer.
Light leans	Soft or loose soil	Press the soil around the spike firmly.

Still not working? Contact us at **info@zoluna.nl** with your order number and a photo or short video. We're happy to help.

IN DETAIL

Technical specifications

Model / SKU	ARIE · SL-0001-BL Black
Dimensions	90 × 162 × 420 mm
Weight	420 g
Material	ABS and PC, powder coated finish
Protection	IP54: dust and splash protected
Operating temperature	–20 °C to +50 °C
Light source	30 SMD LEDs, 100 lm, 2700 K warm white, CRI 80, 120°
LED lifetime	25,000 hours · LED not replaceable · not dimmable
Solar panel	Monocrystalline, 5 V / 1.5 W, 80 × 135 mm, 20 % efficiency
Battery	18650 Li-ion, 3.7 V, 2200 mAh, 8.14 Wh · replaceable
Charging	Solar 6 to 8 h · no USB
Runtime	Bright ≈ 10 h · dim ≈ 12 h
Sensor	Dusk to dawn light sensor
Control	Push button: dim · bright · off
Mounting	Ground spike
Warranty	2 years (battery excluded, see page 12)



BLACK

GOOD TO KNOW

Disposal, warranty & contact

DISPOSAL & RECYCLING

This symbol means the light and its battery must not be thrown away with household waste. Take the light to a collection point for electrical and electronic equipment (WEEE), for example your municipal recycling centre or a retailer that takes back old appliances.

Remove the battery first (page 09) and hand it in separately at a battery collection point. Batteries contain materials that can harm health and the environment and that can be recovered. Tape the battery terminals before disposal to prevent short circuits.

SYMBOLS & CONFORMITY

All symbols, safety markings and certifications of ARIE are explained on page 13.

WARRANTY

ZOLUNA gives a 2 year warranty on ARIE against manufacturing and material defects, from the date of purchase. Keep your proof of purchase.

The rechargeable battery is a wear part and is not covered by this warranty, nor is damage caused by incorrect installation, improper use, modifications, accidents or normal wear. This warranty does not affect your statutory rights as a consumer.

To make a claim, contact the store where you bought ARIE or email info@zoluna.nl with your order number and a description or photo of the problem.

MANUFACTURER / IMPORTER

ZOLUNA · Nooteboom Ventures B.V.
Jan Frederik Vlekkeweg 12
5056 RJ Tilburg, the Netherlands
info@zoluna.nl · www.zoluna.nl

ARIE · SL-0001 · Made in China







Symbols, safety & compliance

CE marking
Complies with the applicable EU health, safety and environmental legislation.

Battery collection
Hand in batteries separately at a battery collection point.

IP54
Protected against dust and splashing water from any direction. Not suitable for immersion.

Read the manual
Read all instructions before installation and use, and keep them for later.

Temperature range
Use between –20 °C and +50 °C. Store the battery between 10 °C and 25 °C.

Replaceable battery
The 18650 Li-ion battery can be replaced (see page 09).

Solar powered
Charges by daylight through the integrated monocrystalline solar panel.

WEEE
Do not dispose of with household waste. Hand in at a collection point for electrical equipment.

Triman (France)
This product and its packaging are subject to sorting rules for recycling.

Protection class III
Safety extra low voltage: powered by a 3.7 V battery. No mains connection.

Do not stare into the light
Avoid looking directly into the LED at close range.

No fire
Do not heat, burn or short circuit the battery, and do not throw it into a fire.

LED not replaceable
The LED light source is integrated and cannot be replaced by the user or a professional.

DECLARATION OF CONFORMITY

ZOLUNA declares that ARIE (SL-0001) complies with the EU legislation listed below. The full EU declaration of conformity is available on request via info@zoluna.nl. Light source: LED, integrated, not replaceable. Battery: 18650 Li-ion, 3.7 V, 2200 mAh, replaceable.

EMC Directive 2014/30/EU	RoHS Directive 2011/65/EU + (EU) 2015/863	Battery Regulation (EU) 2023/1542
REACH (EC) 1907/2006	General Product Safety (EU) 2023/988	WEEE Directive 2012/19/EU
EMC standards EN 55015 · EN 61547	Ingress protection IEC 60529 · IP54	Lithium battery transport UN 38.3



ZOLUNA

SOLAR CHARGED, MOON READY

Dutch design. High quality solar lighting.
Made to last, season after season.