

Solar Led Lights Datasheet

4 products in this range. Specifications as published on wellking-led.com.

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Solar-powered LED lighting for outdoor areas where wiring is impractical or costly. These fixtures operate independently of the grid, charging during daylight and providing automatic illumination at night. Available in wall-mounted, freestanding and pole-mounted configurations with motion or dusk-to-dawn sensing, suitable for low-maintenance, off-grid installations in residential, commercial and public spaces.

Smiley Solar Garden Wall Light

A compact solar-powered wall-mounted garden light designed for outdoor use without wiring or electricity costs. The unit uses a monocrystalline silicon PET laminated solar panel to charge a built-in battery during daylight, enabling automatic operation from dusk to dawn or motion-triggered lighting. Available in black or copper finish with two operational modes: motion sensor and light control. The housing is made from ABS+PC for durability, and the IP55 rating ensures protection against dust and water splashes. The light source uses SMD2835 LEDs, delivering 50 to 100 lumens with adjustable color temperature from 3000K to 6000K. The unit is small, easy to install, and requires no professional help.

Parameter	Value
Model number	BK-3688
Product category	Solar led lights
Housing material	ABS+PC
Housing color	Black / Copper
Product size	7.6 x 3.5 x 13.5 cm
Solar panel	5V 100mA monocrystalline silicon PET laminated (motion sensor) / 2V 100mA (light control)
Battery	3.7V 800mAh lithium rechargeable (#14500) / 1.2V 800mAh NiMH (AA)
Light source	8LED SMD2835 (motion sensor) / 4LED SMD2835 + 1LED F5 (light control)
Luminous flux	100LM (motion sensor) / 50LM (light control)
Color temperature	3000K - 6000K
Lighting mode	3 time modes selectable via pin switch
IP grade	IP55
Switch type	Pin to turn on and change modes
Operating time	Depends on battery and mode used

Web page: <https://wellking-led.com/products/smiley-solar-garden-wall-light.html>

36LED Solar Led Wall Light

A solar-powered LED wall light designed for outdoor use without wiring or electricity costs. Built with a 6V 2.5W solar panel and 3.7V 2000mAh lithium battery, it operates on 3.7V DC with a rated power of 4W and delivers 400 to 450 lumens. Features motion sensor and dusk-to-dawn functionality for automatic operation. Available in black or white finish, with or without a mounting pole. IP65 rated for weatherproof performance in all seasons. Compact size and simple installation allow placement anywhere with sunlight exposure. The light is self-sustaining and reduces long-term energy costs.

Parameter	Value
Solar panel	6V 2.5W
Battery	3.7V 2000mAh Lithium
Working voltage	3.7V DC

Working current	1.2A
Rated power	4W
Lumens	400-450lm
CCT	2700K-6000K
IP rating	IP65
Sensor type	Motion and dusk-to-dawn
Mounting option	With or without pole
Finish	Black or white
Operating temperature	Not specified
Charging time	Not specified
Battery life	Not specified

Web page: <https://wellking-led.com/products/36led-solar-led-wall-light.html>

6LED Side Walk Solar Led Light

A portable solar-powered flood light with six 0.2W 2835 LEDs and a Taiwan Epistar chip, designed for low-maintenance outdoor lighting in stairs, trails, courtyard walls and hotel passages. The unit charges during the day via a 5.5V/0.5W solar panel and operates automatically at night on a constant mode. It uses a 1.2V/600mAh Ni-MH battery and is rated IP65 for dust and water resistance. No wiring or electricity cost is required, and the light runs for more than 10 to 15 hours after a full charge. Available in white or warm white, it is suitable for decorative and functional lighting in semi-outdoor areas.

Parameter	Value
LED type	6 x 0.2W 2835 with Taiwan Epistar chip
Solar panel	5.5V / 0.5W
Battery	1.2V / 600mAh Ni-MH
Working mode	Constant
Waterproof grade	IP65
Working hours	More than 10-15 hours after fully charged
Colour	White / Warm White
Input voltage	5.5V DC
Output voltage	1.2V DC
LED quantity	6 pcs
Chip brand	Taiwan Epistar
Battery type	Ni-MH

Web page: <https://wellking-led.com/products/6led-side-walk-solar-led-light.html>

56LED Solar Powered PIR Sensor Flood Light

A portable solar-powered flood light with 56 SMD2835 LEDs, designed for outdoor areas where wiring is impractical or unavailable. The unit charges via a 6V/2.5W solar panel during daylight and stores energy in a 3.7V/2200mAh Li-ion battery. It operates in three selectable modes—motion-sensing, dusk-to-dawn, and manual—offering energy savings and flexibility. The 800LM output at 4000-6000K provides bright, neutral white illumination. IP65 waterproof rating ensures durability in rain and outdoor exposure. No installation wiring required, and the unit is self-contained with a built-in PIR sensor and rechargeable battery.

Parameter	Value
Solar Panel	6V / 2.5W

Battery	3.7V / 2200mAh Li-ion
LED Type	56 x SMD2835, 0.2W / 30LM each
Total Luminous Flux	800LM
Color Temperature	4000K - 6000K
Sensor Range	120°, 20-32 ft
Waterproof Rating	IP65
Output Power	5.0W after full charge
Charge Time	6-8 hours under sunshine
Operating Modes	Motion-sensing, Dusk-to-dawn, Manual
Input Voltage	DC 6V from solar panel
Battery Type	Li-ion

Web page: <https://wellking-led.com/products/56led-solar-powered-pir-sensor-flood-light.html>