

AlcaPower®

SWL12

LED Solare da parete



ITALIANO



Energia Solare



Sensore Crepuscolare



Waterproof

Manuale Installatore

www.alcapower.com

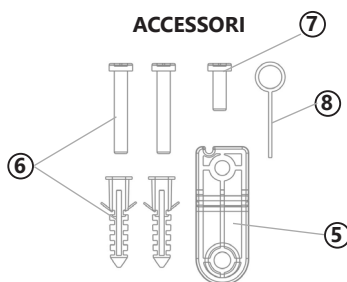
INTRODUZIONE

Grazie per aver scelto un prodotto AlcaPower. Potete essere certi che il prodotto da voi acquistato è tra i migliori attualmente disponibili sul mercato. Leggete questo manuale molto attentamente e conservatelo per consultazioni future. AlcaPower Distribuzione Srl si riserva il diritto di apportare modifiche al presente manuale, senza preavviso e responsabilità alcuna.

Questo prodotto è un proiettore LED solare a batteria, dotato di sensore di presenza PIR e sensore crepuscolare, pratico, conveniente, sicuro e dal design accattivante. Questo faro LED solare non necessita del collegamento alla rete elettrica e, grazie all'innovativa tecnologia Adaptive Lighting System 2.1 (ALS2.1), è in grado di fornire illuminazione fino a 3/4 giorni consecutivi in condizioni meteo di pioggia e nuvole.

CARATTERISTICHE TECNICHE

Pannello solare monocristallino	4.86V 1W
Batteria interna	3.7V 4000mAh, 2 x Li-Ion formato 18650
Tempo di ricarica della batteria	10 ore
Autonomia della batteria	>72 ore
Soglia sensore crepuscolare	Soglia attivazione faro <10lx, soglia di disattivazione faro >50lx
Distanza e angolo di rilevamento sensore PIR	5m, 120° max
Altezza d'installazione consigliata	3m
Flusso luminoso massimo	2000lm
Angolo del fascio	120°
Temperatura di colore	Selezionabile 3000K - 4000K
Pannello LED	160lm/W - 39 LED SMD 2835
Temperatura di lavoro	-20°C ~ 60°C
Cicli di accensione	25000 cicli
Vita utile	50000 ore
Grado di protezione	IP44
Materiale	ABS e PC
Dimensioni d'ingombro	149.15x107x114.25mm
Peso	354g



- ① Proiettore.
- ② Sensore PIR e indicatore luminoso.
- ③ Pulsante ON/OFF.
- ④ Pannello solare.
- ⑤ Staffetta di plastica per il fissaggio.
- ⑥ Viti e tasselli.
- ⑦ Vite fissaggio staffetta.
- ⑧ Chiavetta per pulsante.

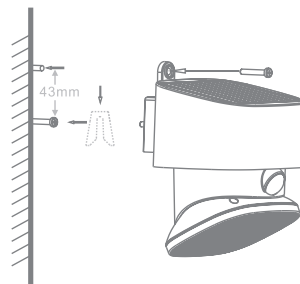
INSTALLAZIONE DEL PROIETTORE LED

Tenere conto dei seguenti avvertimenti prima di installare il prodotto.

- Per garantire un corretto funzionamento del proiettore LED, fissarlo con il pannello solare verso l'alto, mai verso il basso.
- Assicurarsi che il pannello solare del proiettore LED non sia in ombra e che riceva abbastanza luce solare durante il giorno, altrimenti la luce emessa dal proiettore e l'autonomia della batteria interna saranno ridotte.
- Assicurarsi che la parete/superficie a cui si intende fissare il proiettore sia adeguata alle sue dimensioni e peso.
- Non installarlo sotto la luce di un lampione o di altri tipi di lampade.

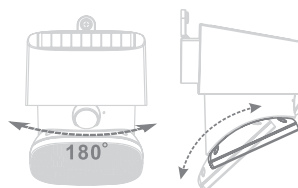
Individuare il luogo dove installare il proiettore LED, assicurandosi di posizionarlo in una posizione che non impedisca al pannello solare di assorbire i raggi del sole, e fissarlo nella posizione prescelta seguendo le istruzioni seguenti:

- Fissare la staffetta di plastica ⑤ tramite la vite in dotazione ⑦ nell'apposita sede nella parte posteriore del proiettore.
- Forare la parete posizionando i due tasselli, uno in corrispondenza del foro di fissaggio posto sulla staffetta di plastica ⑤ e l'altro più in basso in corrispondenza della scanalatura di fissaggio posta nella parte posteriore del proiettore.
- Inserire la vite del tassello più in basso in modo tale da poter agganciare il proiettore tramite l'apposita scanalatura.
- Fissare il proiettore al tassello posto più in alto tramite il foro della staffetta di fissaggio ⑤.



Una volta installato il proiettore LED, prima di attivarlo, lasciarlo spento per 24 ore in modo tale da permettere la carica completa della batteria interna tramite la luce solare.

Nota: Il pannello LED del proiettore può essere regolato sia orizzontalmente (180°) che verticalmente (vedi figure a fianco).



FUNZIONAMENTO

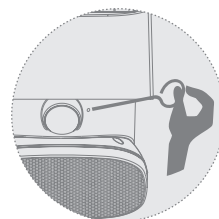
Durante il giorno il pannello solare ricarica il proiettore LED, durante le ore serali e la notte il proiettore si accende e regola automaticamente la luce emessa, in base alla modalità di funzionamento selezionata.

Una volta installato il proiettore LED attivarlo tenendo premuto il pulsante ON/OFF ③ per alcuni secondi tramite l'apposita chiavetta ⑧ in dotazione. Il proiettore si accende per pochi secondi e poi si spegne, dopodiché l'indicatore luminoso ② lampeggia indicando l'ultima modalità di funzionamento impostata. Una volta attivato il proiettore è possibile impostare la modalità di funzionamento prescelta premendo il pulsante ON/OFF per un tempo non superiore al secondo. Ad ogni pressione del pulsante ON/OFF il proiettore si sposta nella modalità successiva. Per disattivare il proiettore, tenere premuto il pulsante ON/OFF per alcuni secondi. Per cambiare la tonalità di luce tra 3000K e 4000K, quando la luce è accesa premere velocemente (<1s) per due volte il pulsante.

Nota: la batteria interna viene caricata dal pannello solare sia quando il proiettore è attivo, sia quando il proiettore è disattivo.

Qui di seguito vengono elencate le modalità di funzionamento disponibili.

- **Modalità M1:** quando viene impostata questa modalità l'indicatore luminoso lampeggia una volta. Se la luce ambientale è superiore alla soglia del sensore crepuscolare, il proiettore rimane spento. Quando la luce ambientale si riduce sotto la soglia del sensore crepuscolare il proiettore si accende con un flusso luminoso di 50lm. Quando il sensore PIR rileva dei movimenti il proiettore aumenta il flusso luminoso a 2000lm. La luce emessa dal proiettore ritorna a 50lm se il sensore PIR non rileva movimenti per almeno 10 secondi.
- **Modalità M2:** quando viene impostata questa modalità l'indicatore luminoso lampeggia due volte. Se la luce ambientale è sufficiente, ovvero superiore alla soglia di intervento del sensore crepuscolare, il proiettore rimane spento. Se la luce ambientale si riduce sotto la soglia di intervento del sensore crepuscolare e il sensore PIR rileva dei movimenti il proiettore si accende con un flusso luminoso di 2000lm. Il proiettore si spegne se il sensore PIR non rileva movimenti per almeno 10 secondi.



AlcaPower[®]

SWL12

Solar LED Wall Light



ENGLISH



Solar Energy



Daylight Sensor



Waterproof

Installation Manual

www.alcapower.com

INTRODUCTION

Thank you for choosing an AlcaPower product. You can be sure that the product you have purchased is among the best currently available on the market. Read this manual very carefully and keep it for future reference. AlcaPower Distribuzione Srl reserves the right to make changes to this manual without prior notice and liability.

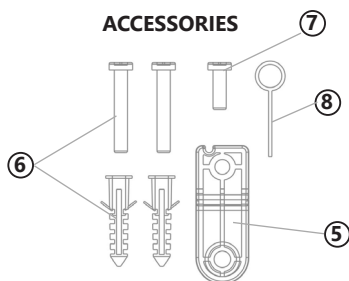
This product is a battery-powered solar LED floodlight, equipped with a PIR presence sensor and a daylight sensor, practical, convenient, safe and with an attractive design. This solar LED floodlight, does not require connection to AC mains and, thanks to the innovative Adaptive Lighting System 2.1 (ALS2.1) technology, it is able to provide lighting for up to 3/4 consecutive days in rainy and cloudy weather conditions.

TECHNICAL CHARACTERISTICS

Monocrystalline solar panel	4.86V 1W
Built-in battery	3.7V 4000mAh, 2 x Li-Ion format 18650
Charging time	10h
Runtime	>72h
Daylight sensor threshold	Activation threshold <10lx / Deactivation threshold >50lx
PIR sensor detection distance and angle	5m, 120° max
Recommended installation height	3m
Max luminous flus	2000lm
Beam angle	120°
Colour temperature	Selezionabile 3000K - 4000K
LED panel	160lm/W - 39 LED SMD 2835
Operating temperature	-20°C ~ 60°C
Switching cycles	25000 cycles
Lifespan	50000h
Ingress Protection grade	IP44
Body material	ABS e PC
Overall dimensions	149.15x107x114.25mm
Weight	354g



ACCESSORIES



- ① Floodlight.
- ② PIR sensor and indicator light.
- ③ ON/OFF button.
- ④ Solar panel.
- ⑤ Fixing plastic bracket.
- ⑥ Screws and plugs.
- ⑦ Bracket fixing screw.
- ⑧ Key for the button.

INSTALLATION OF LED FLOODLIGHT

Please read the following warnings before installing the product.

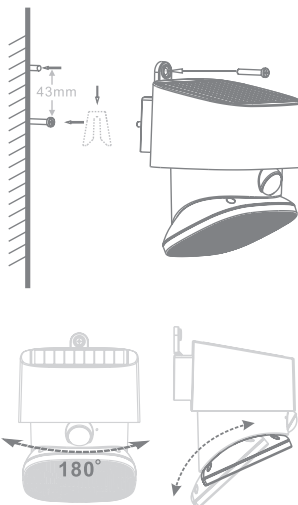
- To ensure correct operation of the LED floodlight, fix it with the solar panel facing upwards, never downwards.
- Make sure the solar panel is not in the shade and receives enough sunlight during the day, otherwise the light emitted by the floodlight and the internal battery life will be reduced.
- Make sure that the support meant to attach the floodlight is appropriate for its size and weight.
- Do not install it under the light of a street lamp or other types of lamps.

Identify the place where you want to install the LED floodlight, making sure to place it in a position that does not prevent the solar panel from absorbing the sun's rays, and fix it in the chosen position following the instructions below:

- Fix the plastic bracket **⑤** using the supplied screw **⑦** in the appropriate seat on the rear part of the floodlight.
- Drill the wall by positioning the two plugs, one in correspondence with the fixing hole on the plastic bracket **⑤** and the other lower down in correspondence with the fixing groove on the rear part of the floodlight.
- Insert the screw of the lowest dowel so that you can attach the projector via the appropriate groove.
- Fix the projector to the highest dowel using the hole in the fixing bracket **⑤**.

Once the LED floodlight is installed, before activating it, leave it turned off for 24 hours to allow the internal battery to fully charge via sunlight.

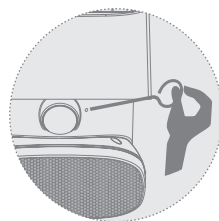
Remark: the floodlight's LED panel can be adjusted both horizontally (180°) and vertically (see figures on the side).



OPERATION

During the day the solar panel recharges the LED projector, during the evening hours and at night the floodlight turns on and automatically adjusts the light emitted, based on the selected operating mode.

Once the LED floodlight is installed, activate it by holding down the ON/OFF button **③** for a few seconds using the supplied key **⑧**. The floodlight turns on for a few seconds and then turns off, after which the indicator light **②** flashes to indicate the last operating mode set. Once the floodlight is activated, you can set the chosen operating mode by pressing the ON/OFF button for no longer than a second. Each time the ON/OFF button is pressed, the floodlight moves to the next mode. To deactivate the floodlight, hold down the ON/OFF button for a few seconds. To change the light color between 3000K and 4000K, when the light is on quickly press the button twice (< 1s).



Remark: the internal battery is charged by the solar panel both when the projector is active and when the floodlight is inactive.

The available operating modes are listed below.

- **M1 mode:** when this mode is set, the indicator light flashes once. If the environment light is higher than the threshold of the daylight sensor, the floodlight remains off. When the environment light drops below the threshold of the daylight sensor, the floodlight turns on with a luminous flux of 50lm. When the PIR sensor detects movements, the floodlight increases the luminous flux to 2000lm. The light emitted by the floodlight returns to 50lm if the PIR sensor does not detect movements for at least 10 seconds
- **M2 mode:** when this mode is set the indicator light flashes twice. If the environment light is sufficient, i.e. higher than the intervention threshold of the daylight sensor, the floodlight remains off. If the environment light drops below the intervention threshold of the daylight sensor and the PIR sensor detects movement, the floodlight switches on with a luminous flux of 2000lm. The floodlight switches off if the PIR sensor does not detect movement for at least 10 seconds.

- **M3 mode:** when this mode is set the ON/OFF button flashes three times. Once this mode is selected, if the environment light is higher than the threshold of the daylight sensor the floodlight remains off. When the environment light drops below the intervention threshold of the daylight sensor the floodlight turns on emitting a luminous flux of 50lm. In this mode the PIR sensor is not active.

SAFETY WARNINGS

Before using this solar LED floodlight, the following safety instructions must be fully understood and observed. If not, please contact the dealer for more information.

- Avoid subjecting the LED floodlight to severe impacts or falls. Keep it away from high heat sources and fire.
- **Danger of explosion:** do not install the LED floodlight near flammable gases, substances or vapors.
- Do not drill or make any modifications to the LED floodlight.
- Do not attempt to disassemble the LED floodlight or access its interior: this product does not require maintenance by the end user.
- This LED floodlight contains rechargeable Li-Ion batteries.
- The battery is internal and cannot be replaced by the user. For battery disposal, follow the regulations in force in the place of use.
- Children, persons with reduced physical or mental capabilities, and persons not adequately trained must not install or use this product.



DISPOSAL

The crossed dustbin symbol reported on the product indicates that, at the end of its useful life, the product must be collected separately from other waste. Therefore, the end-user must deliver the product to the collection centers for electric and electronic waste (WEEE). Alternatively, the product can be returned to the retailer shop when buying a new product of the same type, in a ratio of one to one, or one to zero for products having external dimension no more than 25cm. A separate collection guarantees the recovery and reuse of the materials used in manufacturing the product, contributes to the respect of the environment and the protection of health by preventing pollution and reducing the need for raw materials.

WARNINGS	
⚠ Electricity is a source of danger. Before using this product, make sure that the use of the same complies with current legal provisions to safeguard your own health and safety as well as that of others. Therefore, it is necessary to use the product in accordance with current regulations, standards and provisions to safeguard your own health and safety, by following the instructions, fully complying with the conditions prescribed in this manual.	⚠ Untrained, unaware individuals and minors It is strictly forbidden to allow children, individuals who have not been appropriately informed and non self-sufficient people to use the product without the supervision of an adult who is aware of how to properly use such equipment. It is forbidden to use the product for any other purpose other than that specified in the instructions, or that may go beyond its intended use that could prove to be a source of danger.
Foreseeable or unforeseeable misuse Any use of this product other than that specified in the instructions, or which goes beyond the designated use, is considered as non-compliant. Therefore, it is deemed as incompatible, improper, unforeseeable misuse and for such reasons, this conduct brings about a high level of danger. Consequently, with immediate effect, AlcaPower shall not be held responsible in any way whatsoever for damage caused by means of the abovementioned conduct.	Exemption from liability Under no circumstances whatsoever shall AlcaPower Distribuzione Srl be held responsible in the following cases: • If the product is not used properly. • If the safety standards and regulations are not complied with. • If improper and reasonably foreseen uses of the product is not considered. • If the assembly procedure and/or electrical connection are not carried out properly. • If the correct operation of the product is not regularly inspected. • If repairs and/or modifications are made to the product that alter its integrity.
Serious damage or injuries! In the event of incorrect or inappropriate electrical connections! Electrical connections must be carried out by paying particular attention, in accordance with standards and regulations to safeguard your own health and safety.	An error may cause high risk situations! Before, during and after use: cables, plugs and connectors must be carefully checked to avoid a short circuit and to make sure that they are intact and have no bare wires or parts that are even partially damaged.
Serious accidents in case of the selection of functions and operations! • Despite the safety protections present on the product, check that operations caused by the incorrect selection of functions are not carried out. • Select the functions so that the safety protections can act in accordance with safety standards. • Select the functions as described in the instructions. • Any connection to other equipment must be monitored to guarantee the utmost level of safety.	Pay attention to the environment in which you are working! Hazardous situations may be caused by the people, animals or materials present in the surrounding environment in which you are using the product. Humidity, gas, vapours, fumes, liquids, noise, vibrations, high temperatures, possible falling of materials, and explosive atmospheres.
Inadvertent product start-up and/or interruption! Hazardous situations may arise following inadvertent and sudden start-ups or interruptions of the operational functions of the product. Carry out inspections and check prior to starting up or interrupting the operational functions of the product.	Abnormal operational functions! In the event of abnormal operational functions of the product, it is necessary to promptly interrupt the operation of the product. See the instructions in the product-specific user manual.
Warranty: this product is covered by a warranty under the terms of the current applicable law. In case of need, contact the sales outlet where you bought the product.	
MADE IN P.R.C. AlcaPower Distribuzione Srl, Corso di Porta Vittoria 18- 20122 Milano, IT. Iscrizione Registro delle imprese: CF e P.IVA 02237430034	

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