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› MIKISEN LED Sensor Floodlight 50W - User Manual

MIKISEN SLM-50-V1JP1

MIKISEN LED Sensor Floodlight 50W

Model: SLM-50-V1JP1

IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before installation and use. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- Ensure the power supply is disconnected before installation or maintenance.
- Installation should be performed by a qualified electrician if you are unsure.
- Do not modify the product in any way.
- Ensure the product is securely mounted to prevent falling.
- This product is rated IP66 for outdoor use, but avoid submerging it in water.
- Connect the ground terminal (green/yellow wire) to a proper ground for safety.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- LED Sensor Floodlight (1 unit)
- Remote Control (1 unit)
- Power Cord (1.8m with 2P plug and ground terminal)
- Mounting Bolts (M6*60, 2 units)
- User Manual (Japanese, with warranty information)

調光機能付き・常時点灯機能付き

MIKISENのセンサーライトは10段階調光可能

MIKISEN

調光機能付き



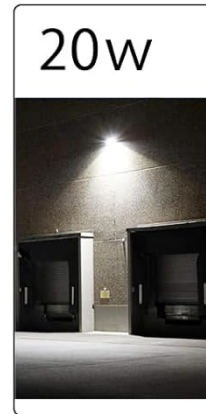
50w

他社

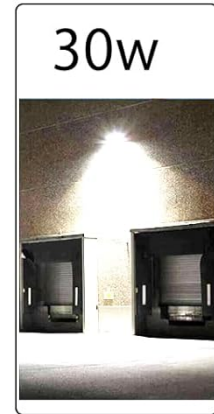
調光機能なし



10w



20w



30w

MIKISENのセンサーライトは常時点灯機能付き

MIKISEN:常時点灯機能付き

他社:常時点灯機能なし

ONボタン押すと
常時点灯になります。

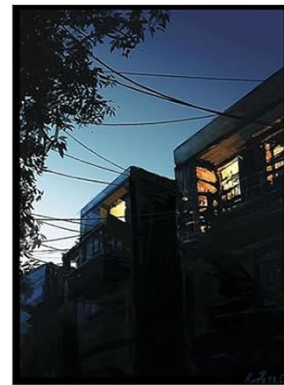
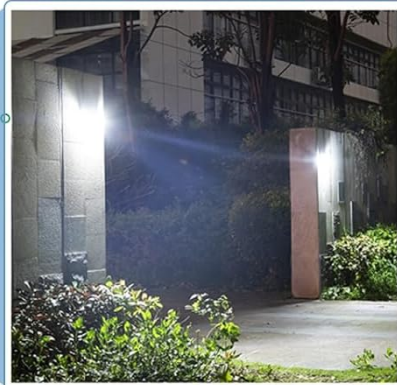


Image: Contents of the MIKISEN LED Sensor Floodlight package, including the light unit, remote, power cord, and mounting hardware.

PRODUCT OVERVIEW

The MIKISEN LED Sensor Floodlight is designed for outdoor use, featuring a motion sensor, dimming capabilities, and a durable, waterproof construction.

Key Features:

- **Remote Control:** Adjust settings conveniently from a distance (up to 6m).
- **10-Level Dimming:** Adjust brightness from 1W to 50W.
- **Always-On Function:** Allows the light to stay on continuously, bypassing sensor mode.
- **Adjustable Detection Distance:** Customize the sensor's range from 6m to 10m.
- **IP66 Waterproof:** Suitable for harsh outdoor conditions, resistant to dust and heavy rain.
- **High Heat Dissipation:** Aluminum alloy body and reinforced glass ensure long LED lifespan (50,000 hours).
- **1.8m Power Cord:** Provides flexibility in installation.

- **180° Adjustable Bracket:** Allows for flexible light direction.
- **Lightning Surge Protection:** Equipped with 4kV surge protection.

Design and Durability:

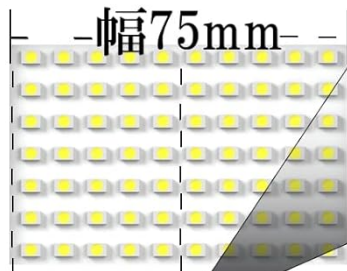


Image: The floodlight features an integrated design with IP66 waterproofing, ensuring high reliability against water and dust.

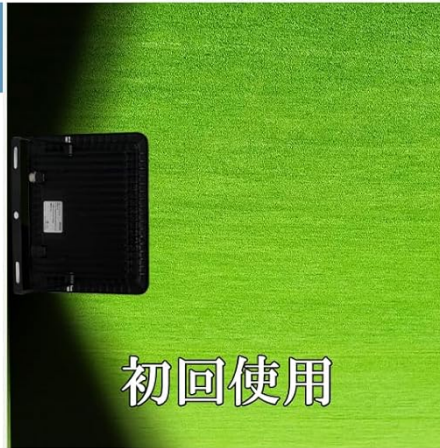
The floodlight's integrated design and IP66 rating ensure it is fully dust-tight and protected against powerful water jets, making it suitable for various outdoor environments.

LED照明の寿命は約50,000時間

MIKISEN



高さ50mm



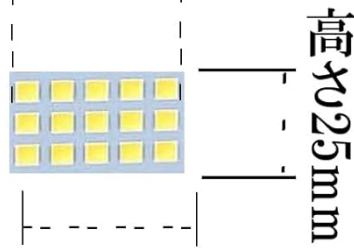
初回使用



使用後1年
明るさに変化なし

回路基板の面積が大きく、放熱に必要な空間を確保し、led素子の使用寿命を延長する

他社



幅35mm

高さ25mm



初回使用



使用後1年
明るさが半分になった

回路基板の面積が小さく、発熱が激しく、led素子の使用寿命が大幅に短縮された。

Image: A comparison illustrating how MIKISEN's larger circuit board area and superior heat dissipation contribute to a longer LED lifespan (50,000 hours) compared to other brands.

Utilizing a high-quality aluminum alloy body and a larger circuit board area, the MIKISEN floodlight ensures excellent heat dissipation, stability, and reliability, extending the LED lifespan to approximately 50,000 hours. The reinforced glass cover has a heat resistance of up to 1000°C.



Image: The floodlight is equipped with 4kV lightning surge protection to protect against electrical spikes.

The floodlight includes 4kV lightning surge protection to safeguard the unit from electrical surges caused by lightning.

Product Dimensions:



Image: Detailed dimensions of the LED sensor floodlight, measuring 200mm in width, 147mm in height, and 27mm in thickness. Total height including sensor is 220mm.

The floodlight measures approximately 200mm (width) x 147mm (height) x 27mm (thickness). The total height including the sensor is 220mm.

Sensor and Bracket Adjustability:



Image: Close-up of the built-in light sensor, which detects ambient light levels.

The integrated light sensor detects ambient light conditions. The sensor unit can rotate 180 degrees vertically and 300 degrees horizontally for optimal positioning.

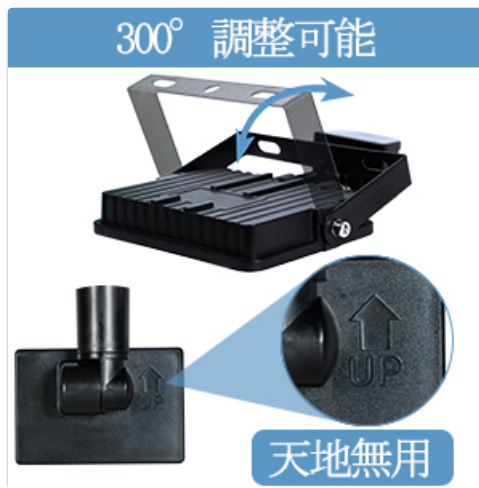


Image: The mounting bracket allows for 300-degree adjustment. An "UP" marking indicates the correct orientation for installation.

SPECIFICATIONS

Feature	Specification
Model Number	SLM-50-V1JP1
Rated Input Voltage	AC90-110V / 50~60Hz
Power Consumption	50W
Cable Length	1.8m (with 2P plug and ground terminal)
Color Temperature	6500K (Daylight)
Luminous Flux	6000LM
Color Rendering Index (Ra)	≥80
Beam Angle	120°
Body Material	Die-cast aluminum, reinforced glass cover
Product Dimensions	200 x 147 x 27 mm (Light unit)
Weight	880 g
Waterproof Rating	IP66
Lifespan	Approx. 50,000 hours
Detection Distance	6m - 10m (Adjustable)
Remote Control	Included
Mounting Bolt Size	M6*60

SETUP AND INSTALLATION

Proper installation ensures optimal performance and safety. Follow these steps carefully.

1. Choose an Installation Location:

- Select a sturdy surface capable of supporting the floodlight's weight.
- Ensure the location allows for the desired illumination area and sensor detection range.
- Recommended installation height is approximately 2.5 meters for an optimal illumination area of 8x8 meters.



Image: Illustration of the recommended installation height (2.5m) and the resulting optimal illumination area (8x8m) for the floodlight.

2. Mounting the Floodlight:

1. Mark the drilling points on the chosen surface using the floodlight's bracket as a template.
2. Drill holes at the marked points.
3. Insert the provided M6*60 mounting bolts into the holes.
4. Attach the floodlight bracket to the surface using the bolts, ensuring it is secure.
5. Adjust the angle of the floodlight and the sensor unit as needed. The bracket allows 180-degree rotation, and the sensor can rotate 180 degrees vertically and 300 degrees horizontally.

3. Electrical Connection:

- Ensure the power supply is OFF before connecting the floodlight.
- Plug the 1.8m power cord into a standard AC90-110V / 50~60Hz outlet.
- **Important:** Connect the ground terminal (green/yellow wire) to a proper ground connection for safety.



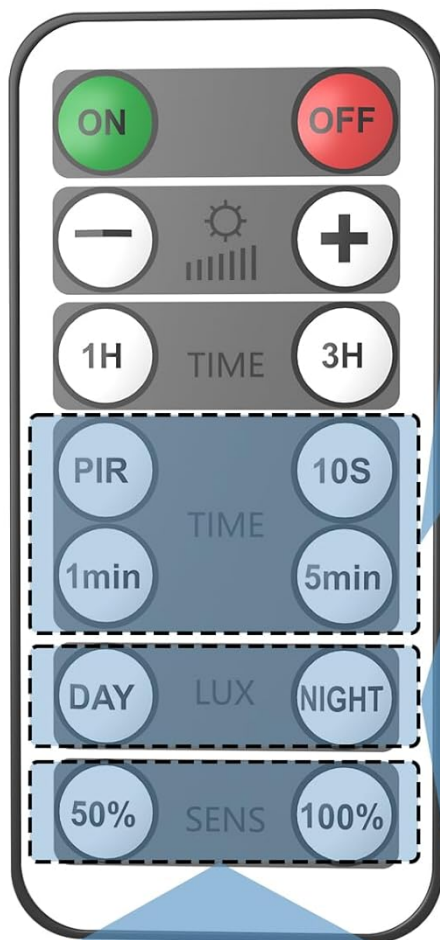
Image: A 2-pin power plug with a visible ground terminal (green and yellow wire) properly connected to a wall outlet, emphasizing the importance of grounding.

OPERATING INSTRUCTIONS

The floodlight can be operated and configured using the included remote control.

Remote Control Functions:

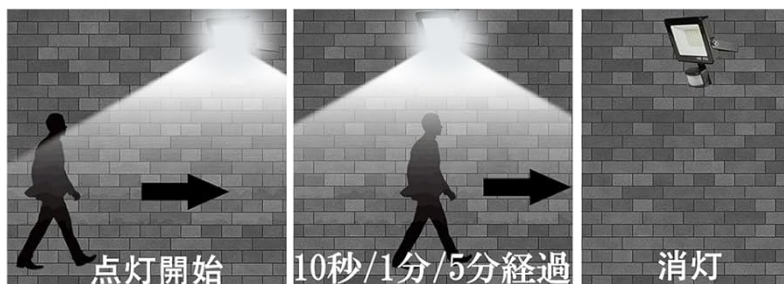
リモコンで調整可能



センサの検知距離を調整します。

点灯時間設定ボタン

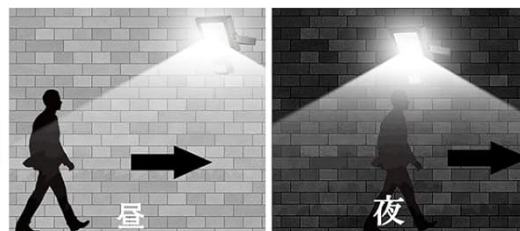
10秒/1分/5分で調整可能



点灯開始照度

DAY (周囲が明るくても暗くても点灯)
NIGHT (周囲が暗いときのみ点灯)

DAYモード



NIGHTモード

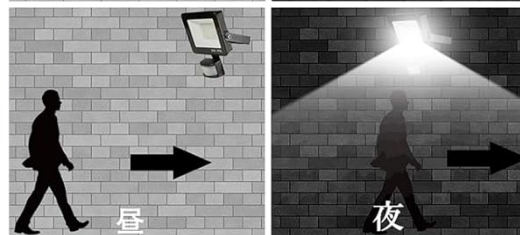


Image: The remote control for the LED sensor floodlight, showing various buttons for adjusting settings.

- **ON/OFF:** Turns the light on or off.
- **Brightness Adjustment (+/-):** Adjusts the illumination intensity (10 levels, 1W to 50W).
- **1H / 3H (Timer):** Activates the always-on mode for 1 or 3 hours, after which it reverts to sensor mode.
- **PIR (Motion Sensor):** Activates or deactivates the motion sensor.
- **TIME (10S / 1min / 5min):** Sets the duration the light stays on after motion detection (10 seconds, 1 minute, or 5 minutes).
- **LUX (DAY / NIGHT):** Sets the ambient light threshold for sensor activation.
 - **DAY Mode:** Light activates 24 hours a day when motion is detected.

- **NIGHT Mode:** Light activates only when motion is detected in dark conditions.
- **SENS (50% / 100%):** Adjusts the motion sensor sensitivity/detection distance.
 - **50% Sensitivity:** Detection distance approximately 6m.
 - **100% Sensitivity:** Detection distance approximately 10m.

Dimming and Always-On Functionality:



LED センサーライト 50W

IP66 防水 | コード長：1.8m

50000時間 | 二年間保証

調光可能 | リモコン付き | 常時点灯機能付き | 超明るい

Image: This image illustrates the MIKISEN sensor light's 10-level dimming capability (1-50W) and its always-on lighting function, showing how it can be set to remain illuminated.

The MIKISEN sensor light offers 10 levels of dimming, allowing adjustment of power consumption from 1W to 50W. It also features an always-on function, which can be activated via the remote control, providing continuous illumination when needed, such as in warehouse entrances for extended work periods.

Operating Modes:

The floodlight offers flexible operating modes to suit various needs.

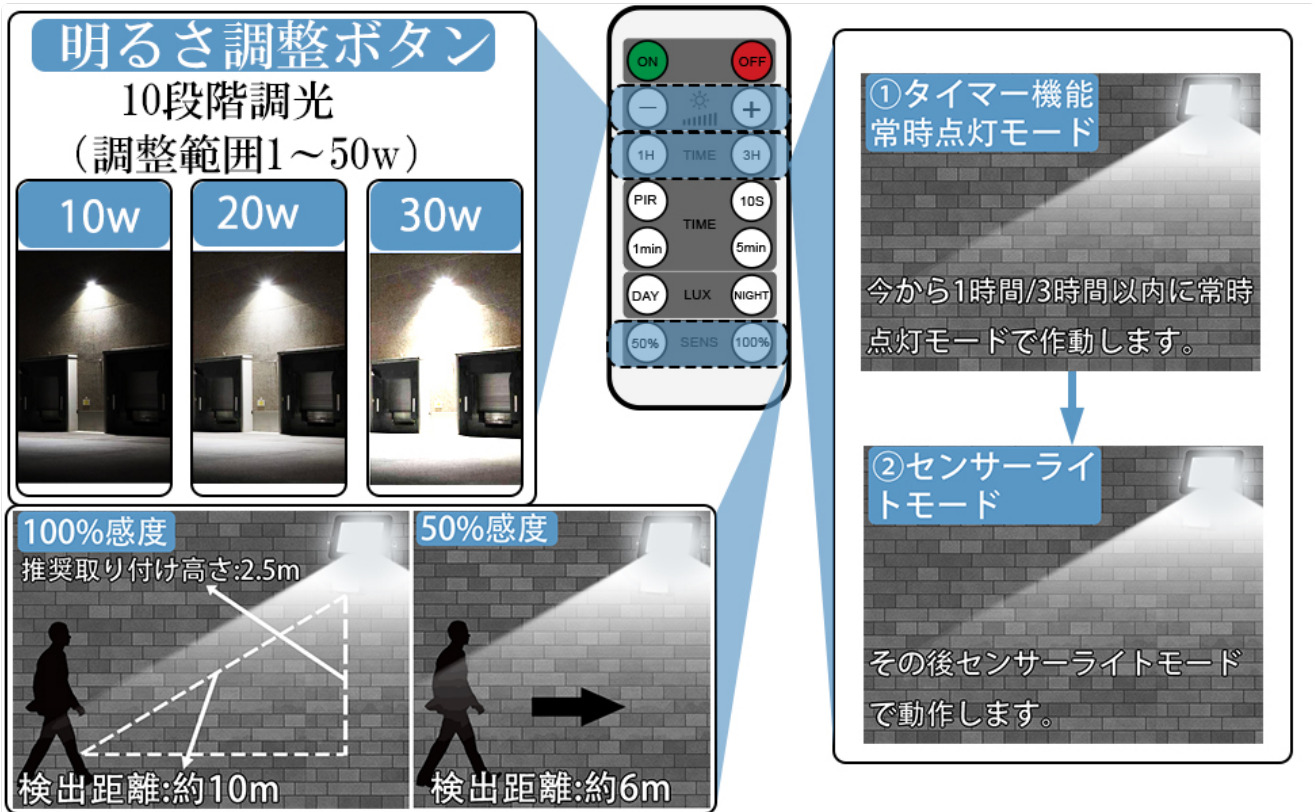


Image: Visual guide to remote control settings, showing how to adjust brightness, set timer functions, and configure sensor sensitivity and detection range.

1. **Sensor Mode:** The light turns on automatically when motion is detected within the set range and ambient light conditions (DAY/NIGHT mode). It turns off after the set duration (TIME).
2. **Always-On Mode:** Press the "ON" button on the remote or use the 1H/3H timer function. The light will remain on continuously until manually turned off or the timer expires. This is useful for tasks requiring constant illumination.
3. **Standby Mode:** Press the "OFF" button on the remote. The light will remain off.

MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your floodlight.

- **Cleaning:** Periodically clean the glass cover and sensor lens with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly check the mounting bolts and bracket for tightness. Ensure the power cord is free from damage.
- **Environmental Durability:** The floodlight is designed to withstand various weather conditions (IP66 waterproof, resistant to cold and heat).

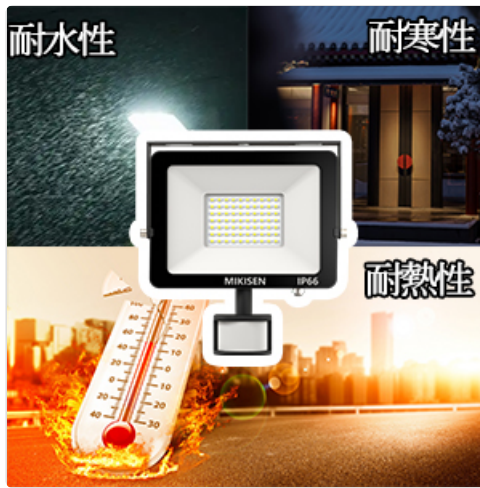


Image: Visual representation of the floodlight's durability against water (rain), cold temperatures (snow), and high temperatures (sunlight).

The floodlight features a glass cover with a fall prevention attachment to enhance durability and safety.



Image: Detail of the glass cover's fall prevention attachment, designed to secure the cover in place.

TROUBLESHOOTING

If you encounter issues with your floodlight, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Light does not turn on.	No power, sensor settings incorrect, remote battery low.	Check power connection. Verify remote battery. Adjust sensor LUX setting (e.g., to DAY mode for testing).
Light stays on continuously.	Always-on mode activated, continuous motion detected, sensor malfunction.	Check remote settings for 1H/3H timer or ON button. Ensure no constant motion in sensor range.
Light flashes or flickers.	Unstable power supply, internal component issue.	Check power source. If problem persists, contact customer support.
Sensor detection range is too short/long.	SENS setting incorrect, sensor obstructed.	Adjust SENS setting on remote (50% for 6m, 100% for 10m). Clear any obstructions from the sensor.
Remote control not working.	Battery low/dead, remote out of range, IR sensor blocked.	Replace remote battery. Ensure remote is within 6m of the light. Point remote directly at the light's sensor.

If the issue is not resolved by the above steps, please contact MIKISEN customer support.

WARRANTY AND SUPPORT

MIKISEN provides a **2-year manufacturer's warranty** from the date of purchase for this LED lighting product.

In the unlikely event of a product defect, please contact us immediately. To facilitate support, please provide your order number and a description of the issue.

You can contact us via Amazon by navigating to: [\[Your Account\]](#) → [\[Order History\]](#) → [\[Sold by: MIKISEN-JP\]](#) → [\[Ask a Question\]](#).

Our support team aims to respond within 24 hours.