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› MEIKEE 30W LED Flood Light with Sensor User Manual

MEIKEE FLB030

MEIKEE 30W LED Flood Light with Sensor User Manual

Model: FLB030

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your MEIKEE 30W LED Flood Light with Sensor (Model: FLB030). Please read this manual carefully before installation and retain it for future reference. This product is designed for outdoor lighting applications, featuring a motion sensor for enhanced energy efficiency and convenience.



Figure 1: MEIKEE 30W LED Flood Light with Sensor, showing the main unit, motion sensor, power cable, and mounting screws.

2. SAFETY INFORMATION

WARNING: To prevent eye damage, do not look directly at the light for a long time when it is operating. The strong light can cause harm to your eyes.

- Ensure the power supply is disconnected before installation or maintenance.
- Installation should be performed by a qualified electrician in accordance with local wiring regulations.
- Do not modify the product in any way. Unauthorized modifications may lead to electric shock, fire, or product damage.
- Keep the product away from flammable materials.
- This product is designed for outdoor use with an IP66 rating, but avoid submerging it in water.
- Ensure the mounting surface is stable and can support the weight of the flood light.

3. PRODUCT FEATURES

- **Unique Sensor Design:** Features a 30-second fixed night detection setting, simplifying operation. The sensor activates only at night, optimizing energy savings.
- **Super Bright and Energy-Saving:** Utilizes advanced SMD technology, producing 2800 lumens with 30W power, offering over 85% energy efficiency compared to 250W incandescent bulbs.
- **Wide Beam Angle:** A 120-degree beam angle provides extensive lighting coverage.
- **IP66 Waterproof Rating:** Designed for outdoor use, offering excellent water and dust resistance. The sensor head is fully sealed using ultrasonic injection molding technology.
- **Enhanced Safety and Durability:** Front frame made of advanced nanomaterial for shockproof, drop-proof, and scratch-resistant properties. The lamp body uses high-quality insulation material, ensuring safety without a ground wire. Wire thickness meets 1 mm² standard for improved safety.
- **Efficient Heat Dissipation:** Improved ultra-thin body design promotes better heat dissipation, extending product lifespan.
- **Easy Installation:** The floodlight is 180° adjustable, and the motion detector has a 360° horizontal and 180° vertical adjustable range for flexible positioning. Comes with a widened and thickened steel bracket for secure mounting.

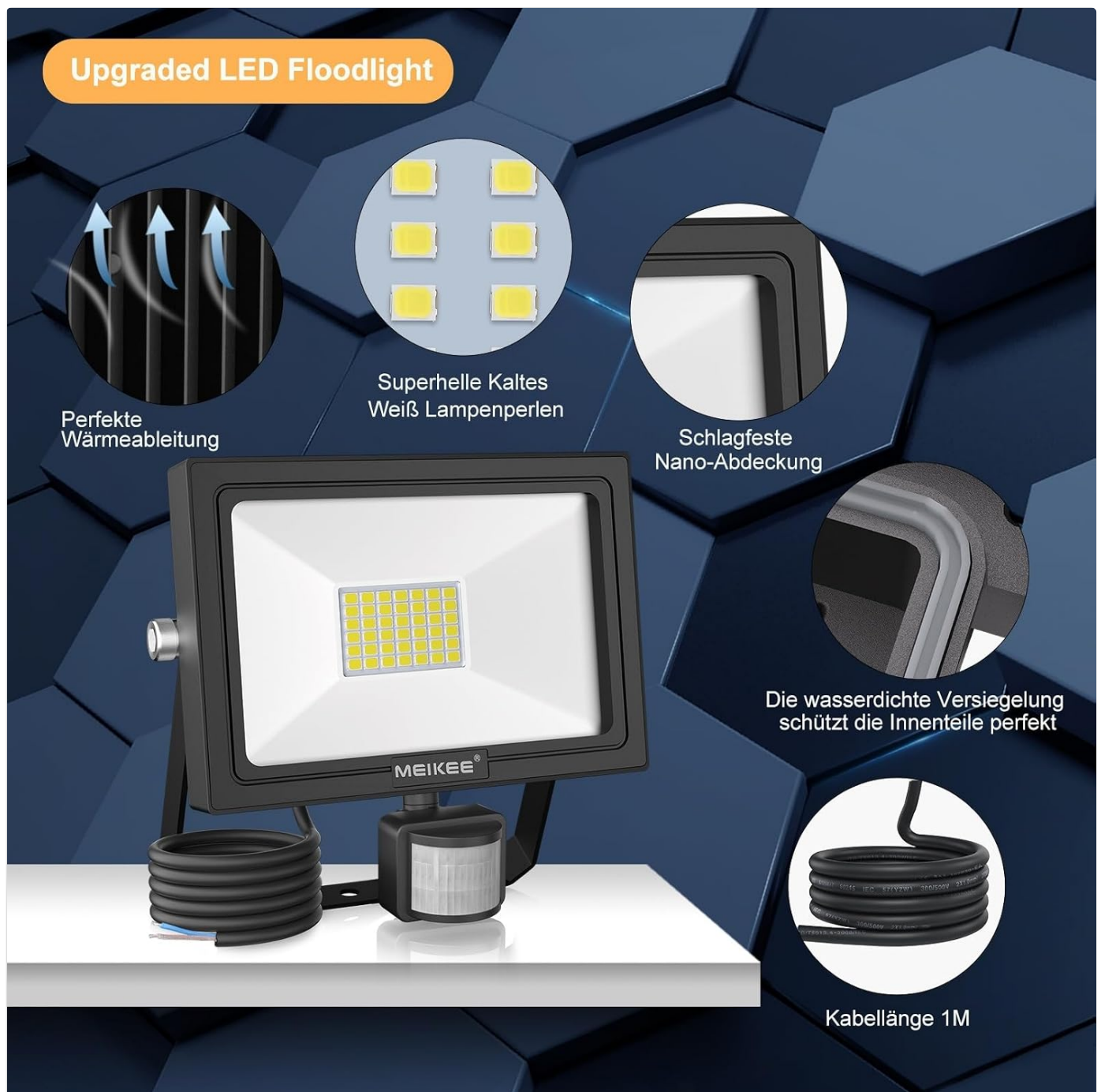


Figure 2: Key features of the upgraded LED floodlight, including perfect heat dissipation, super bright cold white lamp beads, impact-resistant nano-cover, and waterproof sealing.

4. SETUP AND INSTALLATION

Before installation, ensure the power supply is turned off at the main circuit breaker.

1. **Choose Installation Location:** Select a suitable location for the flood light, considering the desired illumination area and motion detection range. The recommended installation height is 3.5-5 meters.
2. **Mark Drilling Points:** Use the mounting bracket as a template to mark the drilling points on the wall or ceiling.
3. **Drill Holes:** Drill holes at the marked points. Insert wall plugs if necessary.
4. **Mount the Bracket:** Secure the mounting bracket to the surface using the provided screws.
5. **Wire Connection:** Connect the flood light's power cable to your electrical supply. Ensure correct polarity (Live, Neutral). This model is insulated and does not require a ground wire.
6. **Attach Flood Light:** Attach the flood light unit to the mounted bracket.

7. **Adjust Angle:** Adjust the flood light's angle (up to 180°) and the motion sensor's angle (360° horizontal, 180° vertical) to cover the desired area.

Mehrere Installationsmethoden



Wandmontage



Deckenmontage

Figure 3: Illustration of product dimensions (142mm width, 175mm height, 34mm depth) and various installation methods, including wall mounting and ceiling mounting.

Super hell LED Strahler mit Bewegungsmelder



Figure 4: Diagram showing the 120° beam angle, 180° detection angle, 0-12m detection distance, and recommended installation height of 3.5-5m for optimal lighting.

5. OPERATING INSTRUCTIONS

The MEIKEE 30W LED Flood Light with Sensor is designed for automatic operation.

- **Automatic Activation:** The integrated motion sensor will automatically detect movement within its range.
- **Night-Only Operation:** The flood light is designed to function only during nighttime hours to conserve energy. It will not activate during daylight.
- **Fixed Lighting Duration:** Once activated by motion, the light will remain on for a fixed duration of 30 seconds. This duration is not adjustable.
- **Continuous Detection:** If motion is continuously detected within the sensor's range, the light will remain on or re-trigger, ensuring continuous illumination as long as movement is present.

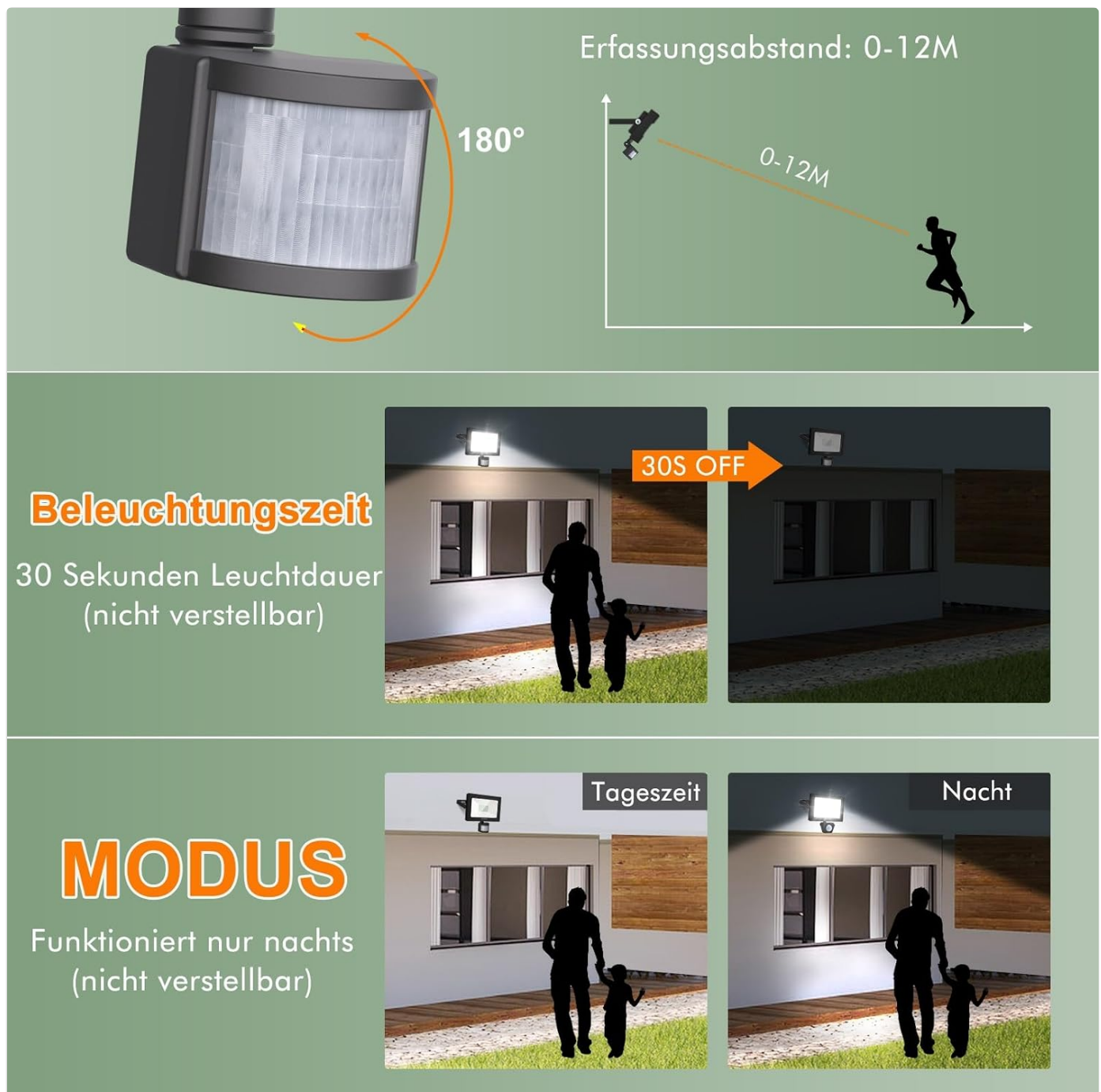


Figure 5: Visual representation of the 30-second fixed lighting duration and the night-only operating mode of the sensor.

6. MAINTENANCE

- **Cleaning:** Regularly clean the surface of the flood light and the sensor lens with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically inspect the power cable and connections for any signs of damage or wear.
- **Sensor Area:** Ensure the sensor lens is clear of obstructions (e.g., dirt, leaves, spiderwebs) that might affect its performance.
- **No User-Serviceable Parts:** The LED light source and sensor are not user-replaceable. Do not attempt to open or repair the unit.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on at night when motion is detected.	No power supply; Sensor obstructed; Sensor faulty; Ambient light too high.	Check power connection; Clear sensor lens; Contact support if faulty; Ensure installation location is dark enough for night operation.
Light stays on continuously.	Continuous motion in detection area; Sensor faulty.	Ensure no constant movement (e.g., swaying branches) in the sensor's field of view; Contact support if faulty.
Light turns on during the day.	Sensor faulty.	The sensor is designed to operate only at night. If it activates during the day, contact support.
Light flickers.	Unstable power supply; Loose wiring; Product fault.	Check power source stability; Verify wiring connections; Contact support if problem persists.

8. SPECIFICATIONS

Attribute	Value
Brand	MEIKEE
Model Number	FLB030
Power	30W
Lumen Output	2800LM
Color Temperature	6500K (Cool White)
Beam Angle	120°
Detection Angle (Sensor)	180°
Detection Distance (Sensor)	0-12m
Lighting Duration (Sensor)	30 seconds (fixed)
Operating Mode	Night-only activation
IP Rating	IP66
Material	Insulation Materials + Nano
Product Dimensions	6 x 17 x 14 cm
Weight	490 g
Power Source	Corded Electric
Installation Type	Floor mounting, ceiling mounting, wall mounting

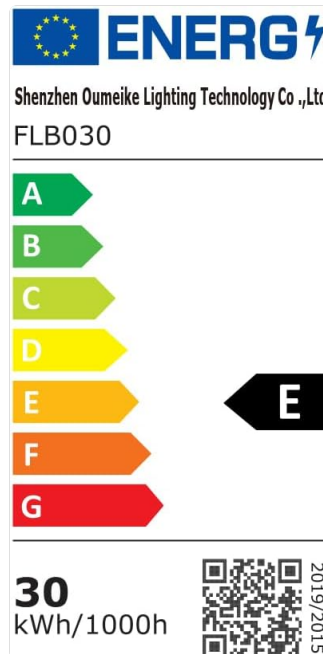


Figure 6: Energy efficiency label for the FLB030 model, indicating an E rating and 30 kWh/1000h consumption. More details available via [EPREL QR code](#).

9. WARRANTY AND SUPPORT

MEIKEE offers a **2-year warranty** from the date of purchase for this product. This warranty covers defects in materials and workmanship under normal use.

For any questions, technical support, or warranty claims, please contact MEIKEE customer service. We aim to provide a satisfactory solution within 24 hours.

Contact information (as per packaging):

Manufacturer: Shenzhen Oumeike Lighting Technology Co., Ltd

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10. APPLICATION EXAMPLES

The MEIKEE 30W LED Flood Light is versatile and suitable for various outdoor and indoor applications:

- Gardens and Patios
- Garages and Carports
- Stairways and Entrances
- Warehouses and Workshops
- Building Facades and Walls

- Playgrounds and Outdoor Areas

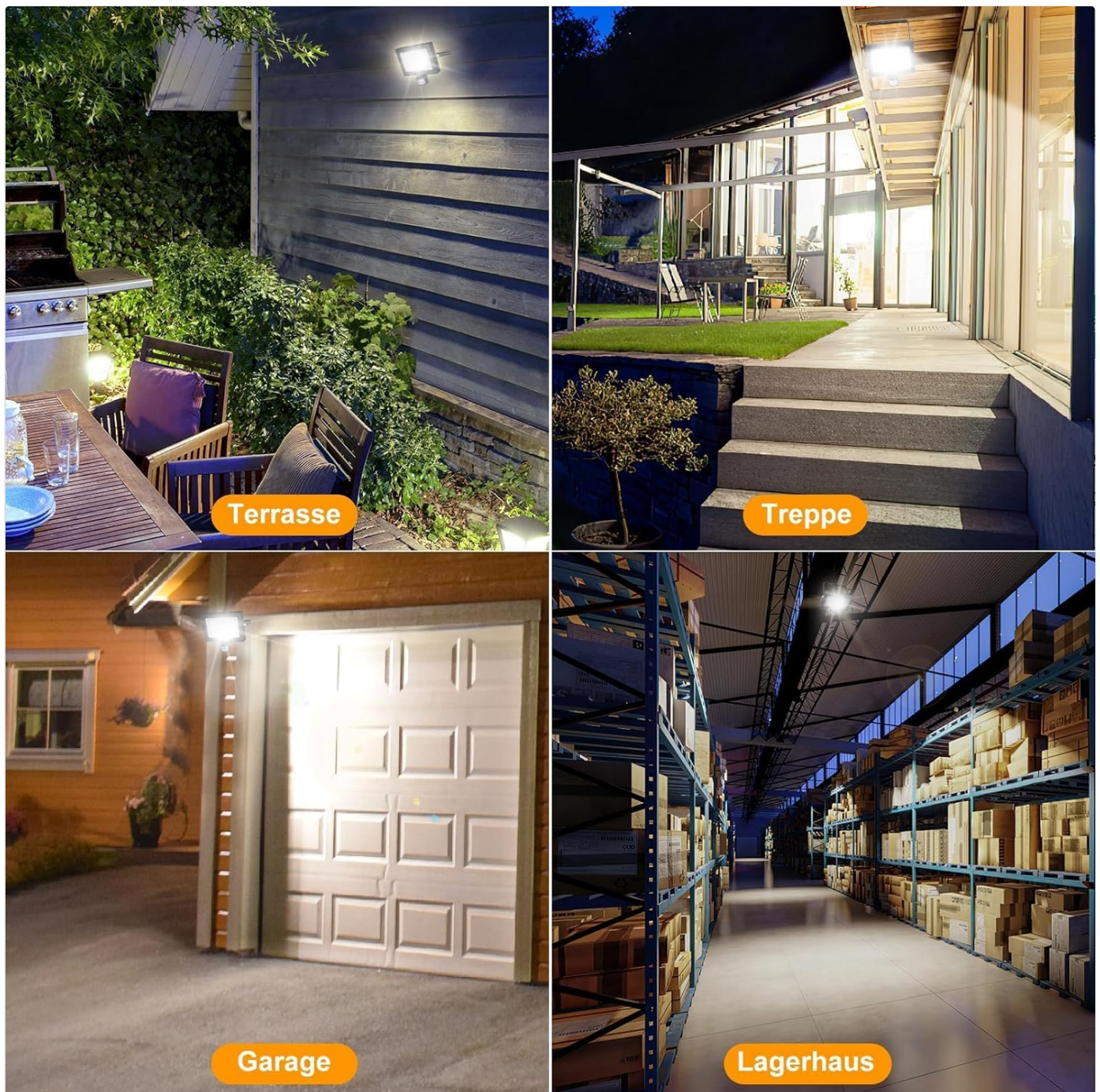


Figure 7: Examples of the flood light in use, including illuminating a patio, stairs, garage, and a warehouse.

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