

V-TAC VT-4051

V-TAC VT-4051 50W LED Floodlight Instruction Manual

Model: VT-4051

1. INTRODUCTION AND SAFETY INFORMATION

Thank you for choosing the V-TAC VT-4051 50W LED Floodlight. This manual provides essential information for the safe installation, operation, and maintenance of your floodlight. Please read these instructions carefully before installation and retain them for future reference.

Important Safety Warnings:

- **Electrical Safety:** Installation should only be performed by a qualified electrician in accordance with all national and local wiring regulations. Ensure the power supply is disconnected before installation or maintenance.
- **Voltage:** This product operates on 240 Volt AC power. Verify your power supply matches this requirement.
- **Outdoor Use:** This floodlight is designed for outdoor use only and has an IP65 rating, making it resistant to water jets and dust. Do not submerge the product in water.
- **Heat:** The floodlight may become hot during operation. Do not touch the surface directly when in use.
- **Light Source:** Do not stare directly into the LED light source when it is illuminated, as this may cause eye damage.
- **Modifications:** Do not attempt to modify or repair the floodlight. Unauthorized modifications will void the warranty and may pose a safety risk.

2. PRODUCT OVERVIEW

The V-TAC VT-4051 is a high-efficiency 50W LED floodlight designed for various outdoor lighting applications. It features a robust metal construction, a glass cover, and a warm white light output.

Key Features:

- **Power:** 50W
- **Luminous Flux:** 4250 lumens
- **Light Color:** Warm White (3000K)
- **LED Type:** SMD (Surface Mounted Device)

- **Protection Rating:** IP65 (Water and Dust Resistant)
- **Beam Angle:** 100 degrees
- **Material:** Metal body with glass diffuser
- **Heat Dissipation:** Efficient heat dissipation system to prevent overheating and prolong lamp lifespan.



Figure 2.1: Front view of the V-TAC VT-4051 50W LED Floodlight.



Figure 2.2: Dimensions of the V-TAC VT-4051 50W LED Floodlight (approximately 245 x 192 x 28 mm).



Figure 2.3: Illustration of the 100-degree beam angle for wide illumination.



Figure 2.4: Detail of the efficient heat dissipation system on the rear of the floodlight, designed to prevent overheating.

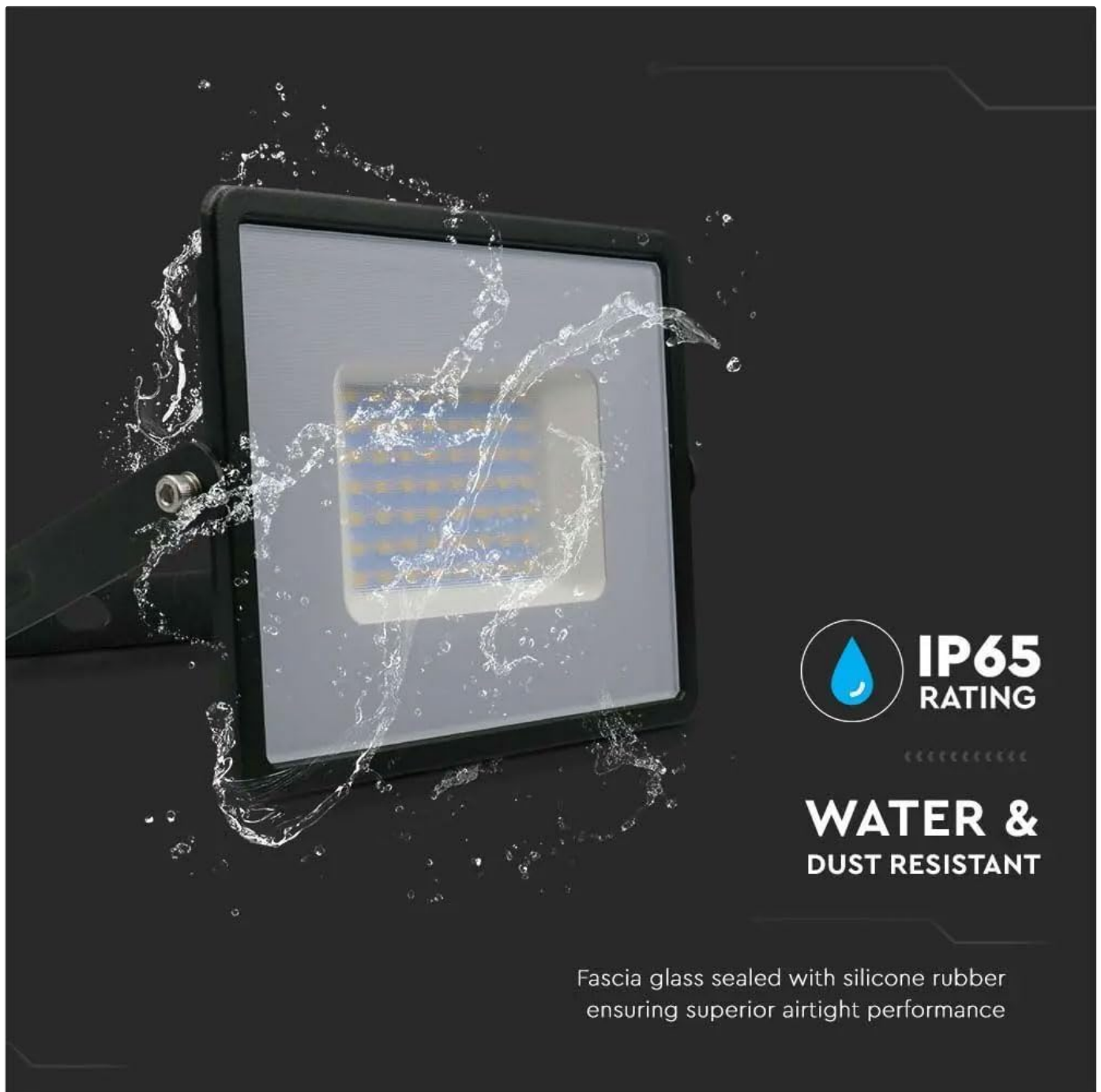


Figure 2.5: Illustration of the IP65 rating, indicating the floodlight's resistance to water and dust.

3. SETUP AND INSTALLATION

Before commencing installation, ensure the main power supply is switched off at the circuit breaker to prevent electric shock. It is recommended that installation be carried out by a certified electrician.

Installation Steps:

1. **Choose Location:** Select a suitable outdoor location for mounting the floodlight. Ensure the surface is sturdy enough to support the fixture.
2. **Mark Drilling Points:** Use the mounting bracket as a template to mark the drilling points on the wall or mounting surface.
3. **Drill Holes:** Drill holes at the marked points and insert appropriate wall plugs (if necessary, depending on the surface material).
4. **Mount Bracket:** Secure the mounting bracket to the surface using suitable screws.

5. **Wiring:** Connect the floodlight's wires to your main power supply. The floodlight typically has three wires:

- **Brown (Live):** Connect to the Live (L) terminal.
- **Blue (Neutral):** Connect to the Neutral (N) terminal.
- **Green/Yellow (Earth):** Connect to the Earth (E) terminal.

Ensure all connections are secure and properly insulated.

6. **Attach Floodlight:** Attach the floodlight body to the mounted bracket. Tighten any screws to secure it firmly.

7. **Adjust Angle:** Adjust the floodlight to the desired angle using the adjustable bracket.



Figure 3.1: Rear view of the floodlight showing the adjustable mounting bracket.



Figure 3.2: Example of the floodlight installed on a building exterior, providing illumination.

4. OPERATING INSTRUCTIONS

Once the V-TAC VT-4051 50W LED Floodlight is securely installed and wired correctly, operation is straightforward:

- **Power On:** Restore power to the circuit at the main breaker. The floodlight will illuminate.
- **Switch Control:** If connected to a wall switch, use the switch to turn the floodlight on or off.
- **Dimmable Feature:** The product specifications indicate it is dimmable. If you wish to utilize this feature, ensure it is connected to a compatible dimmer switch (not included) and installed by a qualified electrician.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your V-TAC VT-4051 LED Floodlight.

- **Cleaning:** Periodically clean the glass surface of the floodlight with a soft, damp cloth to remove dirt and debris. Do not use abrasive cleaners or solvents. Ensure the power is off before cleaning.
- **Inspection:** Annually inspect the wiring and mounting for any signs of wear, damage, or corrosion. Ensure all connections remain secure.
- **No User-Serviceable Parts:** The LED light source is integrated and not user-replaceable. Do not attempt to open the floodlight housing.

6. TROUBLESHOOTING

If you encounter issues with your V-TAC VT-4051 LED Floodlight, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Floodlight does not illuminate	No power supply Loose wiring connection Faulty switch/circuit breaker	Check if the power supply is on. Verify all wiring connections are secure (ensure power is off first). Test the switch and circuit breaker. Consult a qualified electrician if necessary.
Light flickers or is dim	Unstable power supply Incompatible dimmer switch (if applicable) Loose connection	Ensure stable power supply. If using a dimmer, ensure it is compatible with LED products. Check all wiring connections.
Water inside the fixture	Improper installation Damage to the seal	Ensure proper sealing during installation. If damage is present, the unit may need replacement. Disconnect power immediately.

If the problem persists after attempting these solutions, please contact V-TAC customer support or a qualified electrician.

7. SPECIFICATIONS

Feature	Specification
Model Number	VT-4051
Power	50W
Luminous Flux	4250 lm
Light Color / Temperature	Warm White (3000K)
LED Type	SMD
Beam Angle	100°
Input Voltage	240 Volt AC
Protection Rating	IP65 (Water Resistant)
Material	Metal (body), Glass (diffuser)
Color	Black

Feature	Specification
Dimensions (L x W x H)	245 x 192 x 28 mm (approx.)
Energy Efficiency Class	A
Dimmable	Yes (with compatible dimmer)
Usage	Outdoor use only

8. WARRANTY AND SUPPORT

V-TAC products are manufactured to high standards and are covered by a standard warranty against manufacturing defects. Please refer to your purchase documentation or the V-TAC official website for specific warranty terms and conditions.

For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact your retailer or V-TAC customer service directly. Ensure you have your product model number (VT-4051) and proof of purchase available.

Manufacturer: V-TAC

Country of Origin: China

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question