Maxlite MSF50UW-50BKT

MaxLite MSF50UW-50BKT 50W Slim Flood Light Instruction Manual

Model: MSF50UW-50BKT

1. Introduction

This manual provides essential information for the safe installation, operation, and maintenance of your MaxLite MSF50UW-50BKT 50W Slim Flood Light. Please read these instructions thoroughly before installation and retain them for future reference. This product is designed for outdoor lighting applications, offering powerful and efficient illumination.



Figure 1.1: Front view of the MaxLite MSF50UW-50BKT 50W Slim Flood Light, showcasing its compact design and LED array.

2. Safety Information

WARNING: Risk of electric shock. Installation should be performed by a qualified electrician in accordance with all applicable national and local electrical codes.

- Disconnect power at the fuse or circuit breaker before installation or servicing.
- Ensure the supply voltage (120-277V) is compatible with the fixture.
- Do not install near combustible materials.
- This fixture is suitable for wet locations (IP65 rated). Ensure all connections are properly sealed to maintain water resistance.
- Do not operate the fixture if it is damaged.
- Consult a qualified electrician to ensure correct branch circuit conductors.

3. Package Contents

Verify that all components are present before beginning installation:

- MaxLite MSF50UW-50BKT 50W Slim Flood Light Fixture
- Mounting Hardware (e.g., screws, washers, nuts for knuckle mount)





Figure 3.1: The MaxLite MSF50UW-50BKT 50W Slim Flood Light in its retail packaging.

4. Product Features

The MaxLite MSF50UW-50BKT Slim Flood Light offers the following key features:

- **Powerful Illumination:** Delivers up to 6,700 lumens of bright 5000K (Cool White) light.
- **Durable Construction:** Features a die-cast aluminum housing with corrosion-resistant powder coat paint and an IP65 rating for wet locations, ensuring longevity in harsh outdoor environments.
- **Versatile Mounting:** Equipped with a bronze knuckle and 1/2 inch threaded nipple mount for flexible installation options.
- **Long Lifespan:** Rated for an impressive 100,000 hours of operation, minimizing maintenance.
- **Wide Voltage Compatibility:** Operates on 120-277V power sources, suitable for various residential and commercial applications.
- **FCC Certified:** Ensures compliance with electromagnetic compatibility standards.

5. Setup and Installation

This fixture is designed for knuckle mount installation. Ensure the mounting surface is structurally sound to support the fixture's weight.

5.1 Mounting the Fixture

1. Turn off power at the circuit breaker before starting installation.
2. Thread the 1/2 inch nipple of the knuckle mount into a compatible junction box or mounting accessory. Ensure a secure fit.
3. Adjust the angle of the flood light using the adjustable knuckle. Tighten the locking screw to secure the desired position.



Figure 5.1: The adjustable knuckle mount allows for precise aiming of the flood light.

5.2 Electrical Wiring

IMPORTANT: All wiring must comply with local and national electrical codes. If you are unsure about wiring procedures, consult a qualified electrician.

1. Connect the fixture's black wire to the supply's LINE (hot) wire.
2. Connect the fixture's white wire to the supply's NEUTRAL wire.

3. Connect the fixture's green (or bare copper) wire to the supply's GROUND wire.
4. Ensure all wire connections are secure and properly insulated with approved wire connectors.
5. Carefully tuck all wires into the junction box.



Figure 5.2: Rear view of the flood light, indicating wiring entry point and product label with electrical specifications.

6. Operating Instructions

Once properly installed and wired, the MaxLite MSF50UW-50BKT flood light operates by simply supplying power to the circuit. There are no user-adjustable controls on the fixture itself for basic operation.

- **Power On/Off:** Control the light by switching the connected circuit breaker or wall switch.
- **Light Output:** The fixture provides a consistent 5000K cool white light at up to 6,700 lumens when powered.

7. Maintenance

The MaxLite MSF50UW-50BKT flood light is designed for minimal maintenance due to its durable construction and long-life LED components.

- **Cleaning:** Periodically clean the lens and housing with a soft, damp cloth to remove dirt and debris. Do not use abrasive cleaners or solvents. Ensure power is off before cleaning.
- **Inspection:** Regularly inspect the fixture for any signs of damage, loose connections, or wear. Address any issues promptly to ensure safe operation.
- **No User-Serviceable Parts:** The LED light source is integrated and not user-replaceable. Do not attempt to open or repair the fixture.

8. Troubleshooting

If the flood light does not operate as expected, refer to the following troubleshooting steps:

Problem	Possible Cause	Solution
Light does not turn on	No power supply Loose wiring connection Faulty fixture	Check circuit breaker/switch Verify all wire connections are secure (power off) Contact MaxLite support if other solutions fail
Light flickers	Unstable power supply Loose wiring	Consult an electrician to check power stability Check and secure all wiring connections (power off)
Reduced brightness	Dirt or debris on lens Fixture nearing end of life	Clean the lens (power off) Consider replacement if fixture is old

9. Specifications

Detailed technical specifications for the MaxLite MSF50UW-50BKT 50W Slim Flood Light:

Attribute	Value
Model Number	MSF50UW-50BKT
Wattage	50 watts
Brightness	Up to 6,700 lumens (max) / 6485 lumens (typical)
Color Temperature	5000 Kelvin (Cool White)
CRI	80
Voltage	120-277V

Attribute	Value
Material	Die-cast Aluminum Housing, Bronze Finish
Mounting Type	1/2 Inch Knuckle Threaded Mount
Ingress Protection (IP) Rating	IP65 (Dust tight and protected against water jets)
Certifications	UL Listed for Wet Locations, FCC Certified
Lifespan	100,000 hours
Operating Temperature	-30°C (-22°F) to 40°C (104°F)



Figure 9.1: Excerpt from the MaxLite MSF50UW-50BKT specification sheet, detailing product features and construction.

Specifications	15W	25W**	29W	50W	60W**
Power Consumption (W)	15	25.5 (20/15W)	29.5	49.5	59.5 (40/20W)
Lumens (lm)	1,850-2,090	3,480-3,760	3,400-3,430	6,270-6,700	7,790-8,380
Efficacy (lm/w)	123-139	136-147	115-116	127-135	131-141
CRI	>80 (CCT Selectable >70)	>70	>80		>70
Color Temperature (K)	Dedicated & CCT Selectable	CCT Selectable 3/4/5K	3K or 4K or 5K	3K or 4K or 5K	CCT Selectable 3/4/5K
Beam Angle	Wide/7x7/109°	Wide/7x7/111°	Wide/7x7/109°	Wide/7x7/109°, Narrow/4x4/30°	Wide/7x7/112°
Voltage	120-277V 50/60Hz				
Surge Protection	2.5KV				4KV
Lumen Maintenance (L 70) hrs	>100,000 hours				
Controls	PC (CCT Selectable version)	PC	Order JBOX and external PC		PC
Housing	Die cast aluminum with corrosion resistant powder coat paint				
Mounting	See below footnote for details*				
EPA	~0.360ft²	~0.360ft²	~0.360ft²	~0.360ft²	~0.360ft²
Lens	Dedicated CCT Polycarbonate, CCT Select Tempered Glass	Tempered Glass	UV Stabilized Polycarbonate		Tempered Glass
Operating Temperature	-30°C (-22°F) - 40°C (104°F)				
Weight	Dedicated CCT 1.5lbs CCT Select 3lbs	3lbs		4.5lbs	5lbs
					cULus, FCC,

Figure 9.2: Excerpt from the MaxLite MSF50UW-50BKT specification sheet, providing detailed performance data and environmental ratings.

10. Warranty and Support

Warranty: This MaxLite MSF50UW-50BKT 50W Slim Flood Light is backed by a 5-year manufacturer warranty. Please retain your proof of purchase for warranty claims.

Customer Support: For technical assistance, warranty inquiries, or further information, please visit the official MaxLite website or contact their customer service department. Refer to your product packaging or the MaxLite website for the most current contact information.

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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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