NANLITE FS-300

Nanlite FS-300 AC LED Monolight User Manual

Model: FS-300

1. INTRODUCTION

This user manual provides comprehensive instructions for the Nanlite FS-300 AC LED Monolight, a powerful and versatile lighting solution designed for professional photography and videography. It covers setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device. Please read this manual thoroughly before using the product.

2. PRODUCT OVERVIEW

The Nanlite FS-300 is a daylight-balanced LED monolight featuring an integrated design that combines the control unit, power adapter, and lamp body into one compact unit. This design contributes to its lightweight nature and efficient heat dissipation.

Key Features:

- **Powerful, Even Light Output:** Delivers up to 41040 Lux @1m (with included reflector) with a smooth and even light spread.
- **Integrated Monolight Design:** Combines components for a lightweight and efficient system.
- **Bowens Style Light Modifier Mount:** Compatible with a wide range of light modifiers, including Nanlite's fresnels, softboxes, and umbrellas.
- **Practical Effects:** Features 11 pre-programmed customizable special effects such as INT Loop, Flash, Pulse, Storm, TV, Paparazzi, Candle/Fire, Bad Bulb, Firework, Explosion, and Welding.

Components:

Figure 2.1: Front-angled view of the Nanlite FS-300 Monolight with its standard reflector.

Figure 2.2: Side view of the Nanlite FS-300, showing its compact form factor.

Figure 2.3: Rear view displaying the control panel, power input, and on/off switch.

Figure 2.4: Detailed view of the high-efficiency LED array.

3. SETUP

3.1 Mounting the Monolight

The FS-300 features a standard yoke with a 5/8-inch receiver for mounting onto light stands. Secure the monolight firmly to a stable light stand using the tightening knob on the yoke.

3.2 Attaching Light Modifiers

The monolight is equipped with a Bowens style light modifier mount. To attach a modifier (e.g., reflector, softbox):

1. Align the three mounting tabs on the modifier with the corresponding slots on the monolight's front.
2. Insert the modifier and rotate it clockwise until it clicks securely into place.

To remove, press the release button on the mount and rotate the modifier counter-clockwise.

Figure 3.1: Standard reflector with Bowens mount for light shaping.

3.3 Power Connection

Connect the included power cable to the AC input port on the rear of the monolight. Ensure the connection is secure before plugging the other end into a compatible AC power outlet (100-240V AC).

Figure 3.2: Connecting the power cable to the FS-300.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Locate the power switch on the rear control panel of the monolight. Flip the switch to the 'ON' position to power on the device. Flip it to 'OFF' to power down.

4.2 Brightness Adjustment

Use the control knob on the rear panel to adjust the brightness (intensity) of the light output. Rotate clockwise to increase brightness and counter-clockwise to decrease it. The current brightness level will be displayed on the integrated screen.

4.3 Special Effects

The FS-300 includes 11 pre-programmed practical lighting effects. To access and select these effects:

1. Press the dedicated effects button (often blue) on the control panel.
2. Use the control knob to scroll through the available effects: INT Loop, Flash, Pulse, Storm, TV, Paparazzi, Candle/Fire, Bad Bulb, Firework, Explosion, and Welding.
3. Press the knob to confirm your selection.

Figure 4.1: Detailed view of the control panel for brightness and effects.

4.4 Remote Control (if applicable)

The FS-300 supports remote control via Wi-Fi connectivity. Refer to the separate remote control manual or app instructions for detailed pairing and operation procedures.

Figure 4.2: The Nanlite FS-300 in a studio setting with a softbox.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Nanlite FS-300 Monolight.

5.1 Cleaning

- Always disconnect the power before cleaning.
- Use a soft, dry cloth to wipe the exterior of the unit.
- For stubborn dirt, a slightly damp cloth with mild detergent can be used, followed by a dry cloth.
- Do not use harsh chemicals, solvents, or abrasive cleaners.
- Keep the ventilation openings clear of dust and debris to ensure proper heat dissipation.

5.2 Storage

- Store the monolight in a cool, dry place, away from direct sunlight and excessive humidity.
- If storing for extended periods, consider using the original packaging or a padded case to protect the unit from dust and physical damage.

5.3 Handling

- Avoid dropping or subjecting the unit to strong impacts.
- Do not block the ventilation holes during operation.

6. TROUBLESHOOTING

If you encounter issues with your Nanlite FS-300, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on	No power supply; Power cable not connected; Unit is off.	Ensure power cable is securely connected and plugged into a live outlet. Check power switch is in 'ON' position.
Light output is weak or flickering	Brightness set too low; Overheating; Faulty power supply.	Increase brightness using the control knob. Ensure ventilation is not blocked. If problem persists, contact support.
Control panel unresponsive	Temporary software glitch; Unit malfunction.	Power off the unit, wait 30 seconds, then power it back on. If issue persists, contact support.
Light modifier not attaching securely	Incorrect alignment; Obstruction in mount.	Ensure tabs are correctly aligned with slots. Check for any debris in the Bowens mount.

If the problem persists after attempting these solutions, please contact Nanlite customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	NANLITE

Feature	Specification
Model Number	FS-300
Wattage	350 watts
Brightness	41040 Lux (at 1m)
Light Source Type	LED
Color	Gray
Item Weight	6.5 Pounds
Power Source	Corded Electric
Voltage	127 Volts (AC)
Mounting Type	Bowens Mount
Control Method	Touch, Remote (Wi-Fi)
Included Components	FS-300 unit
Indoor/Outdoor Usage	Indoor
Date First Available	November 18, 2020

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Nanlite products typically come with a limited manufacturer's warranty. Please refer to the warranty card included with your product or visit the official Nanlite website for specific terms and conditions regarding your FS-300 Monolight.

8.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Nanlite customer support. You can find contact information and additional resources on the official Nanlite website or through their Amazon store page: Visit the NANLITE Store on Amazon.

Related Documents - FS-300

	[Nanlite P-100/P-200 LED Spot Light User Manual](#) User manual for the Nanlite P-100 and P-200 LED Spot Lights, covering technical specifications, product details, installation, operation, safety, and troubleshooting for these professional lighting fixtures.
	[Nanlite FS-60B LED Bi-color Spot Light User Manual](#) Comprehensive user manual for the Nanlite FS-60B LED Bi-color Spot Light, covering product details, technical specifications, usage instructions, operating modes, remote control, safety precautions, and troubleshooting.
	[NANLITE PavoTube II 15C/30C RGBWW LED Tube Light User Manual](#) Comprehensive user manual for the NANLITE PavoTube II 15C and 30C RGBWW LED Tube Lights, covering product details, technical specifications, usage, remote control operations (DMX, RDM, 2.4G, Bluetooth), operating instructions for CCT, HSI, and various effects, firmware updates, safety precautions, and troubleshooting.
	[NANLITE Compac 24 LED Studio Light User Manual](#) Comprehensive user manual for the NANLITE Compac 24 LED Studio Light, covering product details, technical specifications, usage instructions, safety warnings, and troubleshooting.
	[Nanlite D672II LED Panel Light User Manual](#) Comprehensive user manual for the Nanlite D672II LED Panel Light, covering product details, technical specifications, usage instructions, safety precautions, and troubleshooting.
	[Nanlite Forza 60B II LED Bi-color Spot Light User Manual](#) User manual for the Nanlite Forza 60B II LED Bi-color Spot Light, covering technical specifications, detailed descriptions of controls, remote operation, safety precautions, and FCC compliance.