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NANLITE NL-FS300C

NANLITE FS-300C RGB Continuous Video Light User Manual

Model: NL-FS300C | Brand: NANLITE

1. Introduction

The NANLITE FS-300C is a high-performance RGB continuous video light designed for professional video recording, interviews, and creative lighting setups. It features a powerful RGBW light engine, offering a wide color temperature range from 2700K to 7500K, precise green/magenta adjustment, and 36,000 color options in HSI mode. Its integrated design ensures portability and ease of use, while advanced cooling technology maintains quiet operation. This manual provides essential information for the safe and effective use of your FS-300C light.

2. What's in the Box

Verify that all components are present upon unpacking:

- FS-300C Light Unit × 1
- Power Cable 4.5M × 1
- Reflector × 1
- COB Protective Cap × 1
- User Manual × 1

Image: All components included with the NANLITE FS-300C light.

3. Setup Instructions

1. **Mounting the Light:** Attach the FS-300C to a compatible light stand using its integrated yoke. Ensure the mounting knob is securely tightened. The light features a standard Bowens mount for attaching accessories like the included reflector.
2. **Attaching the Reflector:** Align the reflector with the Bowens mount on the front of the light. Twist clockwise until it locks into place. To remove, press the release button and twist counter-clockwise.
3. **Power Connection:** Connect the provided 4.5M power cable to the power input port on the rear of the FS-300C. Plug the other end into a suitable AC power outlet (100-240V AC).
4. **Initial Power On:** Flip the power switch located on the rear of the unit to the 'ON' position. The display screen will illuminate, indicating the light is ready for operation.

Image: The FS-300C light ready for use on a stand.

Your browser does not support the video tag.

Video: Official product overview demonstrating the setup and features of the Nanlite FS-300C Continuous Video Light.

4. Operating Instructions

4.1 On-board Controls

The FS-300C features an intuitive user interface with two control knobs and a MODE button for easy adjustments.

- **MODE Button:** Press to cycle through different lighting modes (CCT, HSI, Effect modes) and to enter the menu.
- **Left Knob:** Adjusts intensity (dimming). Pressing this knob offers a brightness reset function.
- **Right Knob:** Adjusts color parameters (e.g., CCT, Hue, Saturation) depending on the selected mode. Pressing this knob can lock settings to prevent accidental changes.

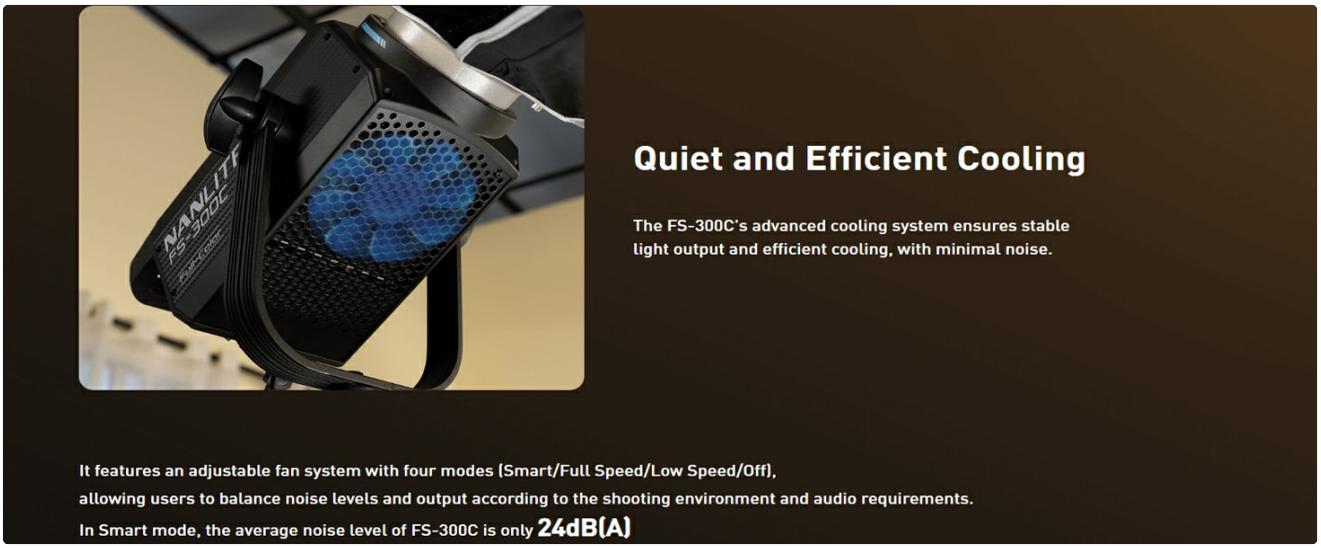

Image: Detailed view of the FS-300C's intuitive control panel.

4.2 Wireless Control (NANLINK APP)

The FS-300C can be controlled wirelessly via Bluetooth using the NANLINK APP 2.0 or a 2.4G remote controller (sold separately). This allows for quick and precise light adjustments, as well as complex setups with preset and grouping functions.

1. **Download the App:** Download the NANLINK APP 2.0 from your device's app store.
2. **Pairing:** Enable Bluetooth on your mobile device. Open the NANLINK APP and follow the on-screen instructions to pair with your FS-300C light.
3. **Control Functions:** Once paired, you can adjust brightness, color temperature, hue, saturation, and access various special effects directly from the app.

Image: Wireless control of the FS-300C using the NANLINK APP.

5. Features Overview

5.1 Exceptional Brightness

The FS-300C delivers powerful illumination, achieving 34,200 lux at 1 meter (5600K) and 15,850 lux at 1 meter (green) when used with the included reflector. Its high-power LED and optical mixing technology ensure uniform and robust light output for various shooting requirements.

Image: Demonstrating the stunning output performance of the FS-300C.

5.2 Versatile Color Control

Equipped with an RGBW light engine, the FS-300C offers a broad color temperature range from 2700K to 7500K, along with ±150 green/magenta adjustment. In HSI mode, users have access to 36,000 color options, allowing for precise and creative lighting effects.

Image: Visual representation of the wide CCT range and HSI color tuning capabilities.

5.3 All-in-One and Portable Design

The FS-300C integrates the lamp, control unit, and power adapter into a single, lightweight unit weighing only 3.23 kg. This design simplifies transport and setup, making it ready for immediate use by simply plugging it in.

Image: The FS-300C's all-in-one design in a practical shooting environment.

5.4 Accessory Compatibility

The FS-300C features a Bowens mount and an umbrella hole, ensuring compatibility with a wide range of light modifiers and accessories, expanding its versatility for various lighting scenarios.

Image: Examples of accessories compatible with the FS-300C's Bowens mount.

5.5 Quiet and Efficient Cooling

An advanced cooling system ensures stable light output with minimal noise. The adjustable fan system offers four modes (Smart/Full Speed/Low Speed/Off), allowing users to balance noise levels and output according to shooting environment and audio requirements. In Smart mode, the average noise level is only 24dB(A).

Image: The quiet and efficient cooling system of the FS-300C.

5.6 Firmware Updates

The FS-300C includes a USB port for firmware updates, ensuring the light remains up-to-date with the latest features and improvements.

Image: USB port for firmware updates on the FS-300C.

6. Specifications

Feature	Detail
Product Dimensions	11.81 x 4.72 x 15.75 inches
Item Weight	2.65 pounds
Item Model Number	NL-FS300C
Brand	NANLITE
Connectivity Technology	Bluetooth
Hardware Interface	USB 2.0

Feature	Detail
Color Temperature Range	2700K-7500K
Max Output (with Reflector)	34,200 lux @1m (5600K)
Noise Level (Smart Mode)	Max 24dB(A)

7. Maintenance

Proper maintenance ensures the longevity and optimal performance of your FS-300C light.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the light. For the COB LED and reflector, use a lint-free cloth and avoid abrasive materials or harsh chemicals.
- **Storage:** Store the light in a cool, dry place, away from direct sunlight and excessive humidity. Always attach the COB protective cap when not in use to prevent damage to the LED.
- **Ventilation:** Ensure the cooling vents are clear of obstructions during operation to prevent overheating.

8. Troubleshooting

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

- **Light Does Not Turn On:**
  - Check if the power cable is securely connected to both the light and the power outlet.
  - Ensure the power switch is in the 'ON' position.
  - Verify the power outlet is functional.
- **No Wireless Control via App:**
  - Ensure Bluetooth is enabled on your mobile device.
  - Confirm the light is powered on and within Bluetooth range.
  - Restart the NANLINK APP and attempt to re-pair the device.
  - Check if the light's firmware is up to date.
- **Abnormal Noise from Fan:**
  - Ensure the cooling vents are not obstructed.
  - Check the fan mode setting; 'Full Speed' will be louder than 'Smart' or 'Low Speed'.

9. Warranty and Support

NANLITE products are covered by a limited warranty against defects in material and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official NANLITE website. For technical support, service, or inquiries, please contact NANLITE customer service through their official channels.
Online Resources: For additional information, tutorials, and firmware updates, please visit the official NANLITE website: www.nanlite.com