NANLITE

FS-150
FS-200
FS-300
USER MANUAL

FS-150/FS-200/FS-300

LED Spot Light

▌ Product Diagram

▌ Technical Data

Model No.: FS-150

Rated power: 185W

Input voltage/current: AC100-240V
50/60HZ

CRI: 96

TLCI: 98

Model No.: FS-200

Rated power: 240W

Input voltage/current: AC100-240V
50/60HZ

CRI: 96

TLCI: 98

Model No.: FS-300

Rated power: 350W
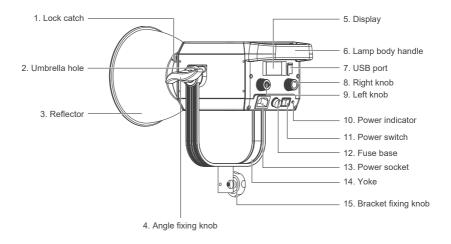
Input voltage/current: AC100-240V
50/60HZ

CRI: 96

TLCI: 98

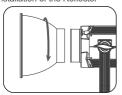This manual applies to the light fixtures in 5600K and 3200K.

Product Details

1. Lock catch
2. Umbrella hole
3. Reflector
4. Angle fixing knob
5. Display
6. Lamp body handle
7. USB port
8. Right knob
9. Left knob
10. Power indicator
11. Power switch
12. Fuse base
13. Power socket
14. Yoke
15. Bracket fixing knob

▌Detailed Description

1. Lock catch: For installing and disassembling reflector and other accessories with Bowens mount.
2. Umbrella hole: For installing/removing an umbrella.
3. Reflector: For gathering light to improve centra illumination.
4. Angle fixing knob: Allows for vertical adjustments and fixing of the lamp.
5. Display: For showing related datas.
6. Lamp body handle: Be convenient for users to lift the lamps and adjust the direction of the light.
7. USB port: For updating the firmware.
8. Right knob: For selecting special effects/channel/language/ version.
9. Left knob: For adjusting the brightness.
10. Power indicator: For checking the status of the power input. If the indicator is always on, it means normal power. If the indicator is flashing or off, it means abnormal power supply or no power input.
11. Power switch: For on/off the fixture.
12. Fuse base: For placing the fuse.
13. Power socket: DC power interface.
14. Yoke: Designed for connecting the lamp to the light stand and adjusting the beam angle.
15. Bracket fixing knob: For connenting the spot light and camera equipment , and adjusting the horizontal direction.
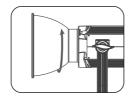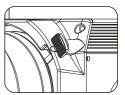
▌Usage

1. Installation of the Reflector

When installing the reflector, ensure its mounting points align with the slots on the light fixture. When the mounting points and slots are aligned, push the reflector in place and rotate it in the direction shown on the light until you hear it click into place.

When removing the reflector, push and hold the release button and rotate until the reflector is free to be removed from the fixture.

Press the release button to remove the reflector.

2. Installation of an Umbrella

Loosen the angle fixing knob.

Put the umbrella into the umbrella hole.

Tighten the angle fixing knob to lock the umbrella in place.

3. 2.4G and Bluetooth Remote Control

The FS series has a built-in 2.4Ghz receiver, enabling it to be remotely controlled by remote controller or by APP via the 2.4G transfer device. It also has built-in bluetooth function to connect with bluetooth for more control options.

Note: 2.4G remote controller or 2.4G transfer device sold separately.

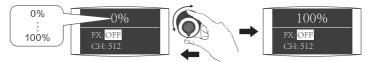(See separate instructions for remote controller or 2.4G transfer device.)

Operating Instructions

1. Make sure the power switch is in the "OFF" position, then connect the fixture to the adapter with power cable. Then turn on the power switch, if the indicator is nomally on, the screen will display the relevant information for the fixture.

2. DIM setting:

Rotate "left knob", clockwise to increase brightness while counterclockwise to reduce brightness, the display shows the percentage of brightness, the DIM range is from 0%-100%.

3. EFFECT Mode setting:

Rotate "right knob" to select the effects according to demands. FS-150/FS-200/FS-300 has built-in special effects: OFF, INT LOOP, FLASH, PULSE, STORM, TV, PAPARAZZI, CANDLE/FIRE, BAD BULB, FIREWORK, EXPLOSION, WELDING.

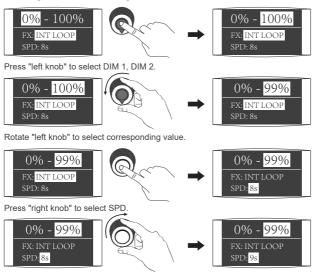Rotate "right knob" to select the effects according to demands.

①When the effect is OFF, it means the effect mode is in the "OFF" position.

②INT LOOP

INT LOOP setting: Press "left knob" to select DIM 1, DIM 2, then rotate "left knob" to select corresponding value according to demands; Press "right knob" to select SPEED, then rotate "right knob" to select corresponding value according to demands, SPD range is from 2s-30s.

0% - 100%
FX: INT LOOP
SPD: 8s

➡

0% - 100%
FX: INT LOOP
SPD: 8s

Press "left knob" to select DIM 1, DIM 2.

0% - 100%
FX: INT LOOP
SPD: 8s

➡

0% - 99%
FX: INT LOOP
SPD: 8s

Rotate "left knob" to select corresponding value.

0% - 99%
FX: INT LOOP
SPD: 8s

➡

0% - 99%
FX: INT LOOP
SPD: 8s

Press "right knob" to select SPD.

0% - 99%
FX: INT LOOP
SPD: 8s

➡

0% - 99%
FX: INT LOOP
SPD: 9s

Rotate "right knob" to select corresponding value.

③FLASH

FLASH setting: Press "right knob" to select INTERVALS, then rotate "right knob" to select corresponding value according to demands; INTVL range is from: 0.1s-10s.


```
100%
FX: FLASH
INTVL: 1.0s
```



```
100%
FX: FLASH
INTVL: 1.0s
```

Press "right knob" to select INTVL.


```
100%
FX: FLASH
INTVL: 1.0s
```



```
100%
FX: FLASH
INTVL: 1.1s
```
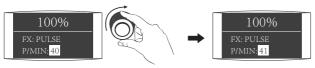
Rotate "right knob" to select corresponding value.

④PULSE

PULSE setting: Press "right knob" to select PULSES/MIN, then rotate "right knob" to select corresponding value according to demands; P/MIN range is from 1-240.


```
100%
FX: PULSE
P/MIN: 40
```



```
100%
FX: PULSE
P/MIN: 40
```

Press "right knob" to select P/MIN.

Rotate "right knob" to select corresponding value.

⑤STORM

STORM setting: Press "right knob" to enter INTVL range setting, then rotate "right knob" to select the
INTVL range; Press "right knob", then rotate "right knob" to select the INTVL range, INTVL range is from 1s-60s.

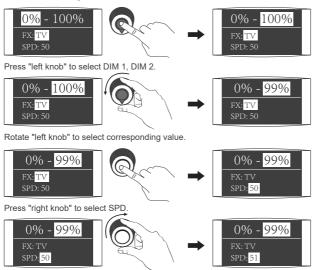Press "right knob" to enter INTVL range setting, then rotate "right knob" to select INTVL range.

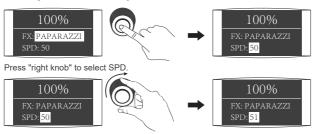Press "right knob", then rotate "right knob" to select the INTVL range.

⑥TV

TV setting: Press "left knob" to select DIM 1, DIM 2, then rotate "left knob" to select corresponding value according to demands; Press "right knob" to select SPEED, rotate "right knob" to select corresponding value according to demands, SPD range is from 1-100.

| 0% - 100% |
| FX: TV |
| SPD: 50 |

| 0% - 100% |
| FX: TV |
| SPD: 50 |

Press "left knob" to select DIM 1, DIM 2.

| 0% - 100% |
| FX: TV |
| SPD: 50 |

| 0% - 99% |
| FX: TV |
| SPD: 50 |

Rotate "left knob" to select corresponding value.

| 0% - 99% |
| FX: TV |
| SPD: 50 |

| 0% - 99% |
| FX: TV |
| SPD: 50 |

Press "right knob" to select SPD.

| 0% - 99% |
| FX: TV |
| SPD: 50 |

| 0% - 99% |
| FX: TV |
| SPD: 51 |

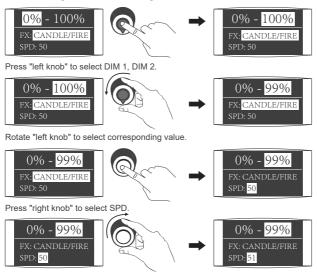Rotate "right knob" to select corresponding value.

⑦PAPARAZZI

PAPARAZZI setting: Press "right knob" to select SPEED, then rotate "right knob" to select corresponding value according to demands, SPD range is from 1-100.

Press "right knob" to select SPD.

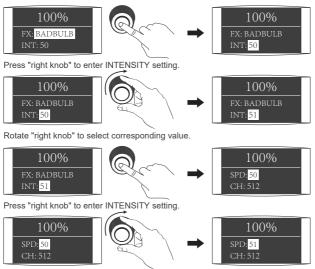Rotate "right knob" to select corresponding value.

⑧CANDLE/FIRE

CANDLE/FIRE setting: Press "left knob" to select DIM 1, DIM 2, then rotate "left knob" to select corresponding value according to demands; Press "right knob" to select SPEED, then rotate "right knob" to select corresponding value according to demands, SPD range is from 1-100.

Press "left knob" to select DIM 1, DIM 2.

Rotate "left knob" to select corresponding value.

Press "right knob" to select SPD.

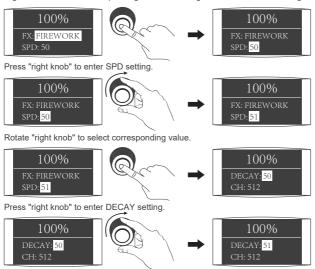Rotate "right knob" to select corresponding value.

⑨BAD BULB

BAD BULB setting: Press "right knob" to enter INTENSITY setting, then rotate "right knob" to select corresponding value according to demands, INTENSITY range is from 1-100; Press "right knob" to enter SPEED setting, then rotate "right knob" to select corresponding value according to demands, SPEED range is from 1-100.

Press "right knob" to enter INTENSITY setting.

Rotate "right knob" to select corresponding value.

Press "right knob" to enter INTENSITY setting.

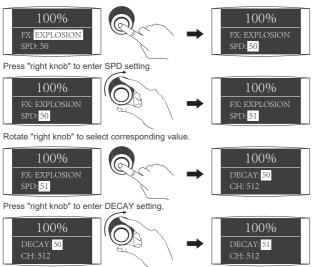Rotate "right knob" to select corresponding value.

⑩FIREWORK

FIREWORK setting: Press "right knob" to enter SPEED setting, then rotate "right knob" to select corresponding value according to demands, SPD range is from 1-100; Press "right knob" to enter DECAY setting, then rotate "right knob" to select corresponding value according to demands, DECAY range is from 1-100.

Press "right knob" to enter SPD setting.

Rotate "right knob" to select corresponding value.

Press "right knob" to enter DECAY setting.

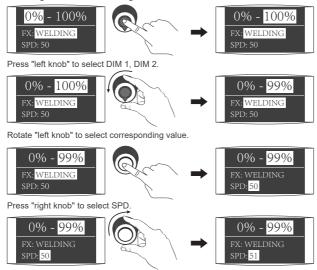Rotate "right knob" to select corresponding value.

⑪EXPLOSION

EXPLOSION setting: Press "right knob" to enter SPEED setting, then rotate "right knob" to select corresponding value according to demands, SPD range is from 1-100; Press "right knob" to enter DECAY setting, then rotate "right knob" to select corresponding value according to demands, DECAY range is from 1-100.

Press "right knob" to enter SPD setting.

Rotate "right knob" to select corresponding value.

Press "right knob" to enter DECAY setting.

Rotate "right knob" to select corresponding value.

⑫WELDING

WELDING setting: Press "left knob" to select DIM 1, DIM 2, then rotate "left knob" to select corresponding value according to demands; Press "right knob" to select SPEED, then rotate "right knob" to select corresponding value according to demands, SPD range is from 1-100.

0% - 100%
FX: WELDING
SPD: 50

0% - 100%
FX: WELDING
SPD: 50

Press "left knob" to select DIM 1, DIM 2.

0% - 100%
FX: WELDING
SPD: 50

0% - 99%
FX: WELDING
SPD: 50

Rotate "left knob" to select corresponding value.

0% - 99%
FX: WELDING
SPD: 50

0% - 99%
FX: WELDING
SPD: 50

Press "right knob" to select SPD.

0% - 99%
FX: WELDING
SPD: 50
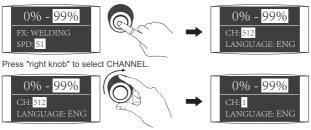
0% - 99%
FX: WELDING
SPD: 51

Rotate "right knob" to select corresponding value.

· Lighting effects and additional functionality maybe added with future firmware releases, for details of these please see www.nanlite.com.

4. CHANNEL setting

Press "right knob" to select CHANNEL, rotate "right knob" to select the address.

Press "right knob" to select CHANNEL.

Rotate "right knob" to select the address.

5. LANGUAGE setting

Press "right knob" to enter LANGUAGE setting, rotate "right knob" to select the LANGUAGE according to demands.

Press "right knob" to enter the LANGUAGE setting.

Rotate "right knob" to select the LANGUAGE according to demands.

6. VERSION

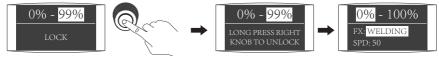Press "right knob" to check the current VERSION.

Press "right knob" to check the current VERSION.

7. Long press "right knob" to lock function, now adjustment knobs cannot change the current function, long press to release the lock status.

Long press "right knob" to lock the current function.

In the "LOCK " position, long press "right knob" to release the lock status.

8. Turn off the power when not in use.

Safety Precautions

1. Please open the package to check for damage caused in transit, if damaged please do not use and contact place of purchase or manufacturer as soon as possible.
2. Do not use a power cord with damaged insulation. Do not unplug hard or drag the power cord directly.
3. Make sure that the power supply voltage used matches the voltage specified by the light before installation.
4. When not using or cleaning the light, please turn it off.
5. Keep the light safely stored and away from children.

Notice

1. When the light is on do not look directly at the emitter.
2. Don't place objects on the light emitter or allow liquid to follow inside the fixture or the emitter.
3. Don't place the light near flammable substances like alcohol or gasoline.
4. When cleaning the fixture, please wipe off debris or dirt by using a dry cloth with clean water or neutral cleanser.
5. The light should be operated safely where it won't be at risk of getting wet or under extrem tempreature.
6. Don't repair the light by yourself. Attemps to self repair will void warranty, for repairs please return to place of purchase.
7. For optimal cooling of the fixture, the vents should not be covered whening using, or will damage the equipment. When using the fixture for a long time, the temperature of the fixture is high, please pay attention to anti-scalding.
8. When using the light, please take off the protective cap.

What's in the box? Please kindly check.

Light fixture x 1	Power Cable 4.5M x 1	Reflector x 1	User Manual x 1

General Fault Detection and Diagnosis

Fault Detection	Diagnosis
The light won't start up.	1. Please check the LED indicator. If flashing or not on, please check whether the connection between power cable and outlet connection is properly connected. 2. Please check whether the voltage value is within specified parameters.
The fixture produces light, but LCD display is not working.	1.Control board is damaged or connecting cables of control board fall off.
LCD display is on but no light output.	1. Check if DIM is set zero. 2. LED board or main board may be damaged. 3. Check if the connecting cable of LED board fall off.
The fixture has an abnormal flicker.	1. Please check if there are any high temperature object near that make the operational environment temperature too high. 2. Check if the fixture is in a special effect mode.
The inside fan can not work.	1. If the LCD screen displays "The fixture is overheated, please check the fixture!" that means the fan is damaged, please contact with place of purchase or manufacturer.
If the failure is not resolved after troubleshooting, please contact place of purchase.	

This manual and all stats within it were produced under controlled conditions, and are accurate at time of print. Any future changes to design/technical data can be found at www.nanlite.com.

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