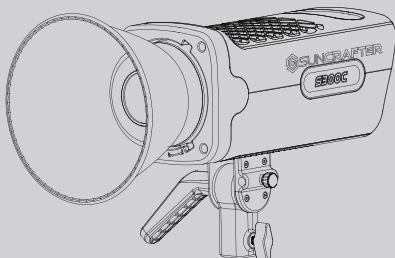




SUNCRAFTER

S300C LED Light User Manual



Thank you for choosing SunCrafter. This manual contains important user information for the S300C LED Light. We recommend reading it carefully before using the equipment and keeping it in a safe place for future reference.

The S300C is SunCrafter's innovative full-color LED light featuring RGBACL six-color mixing technology. This groundbreaking product offers an extensive color temperature adjustment range, extending from 1800K to 20000K—far beyond the typical 2700K-6500K range found in the market. It surpasses industry standards, providing professionals with exceptional control and creative freedom for lighting effects. The S300C allows for precise color temperature and brightness adjustments, HSI and special effects, and can be connected to our Lumin+ mobile app for multi-parameter settings, presets, and other essential creative control functions. This light is ideal for both studio and on-location video and photography.

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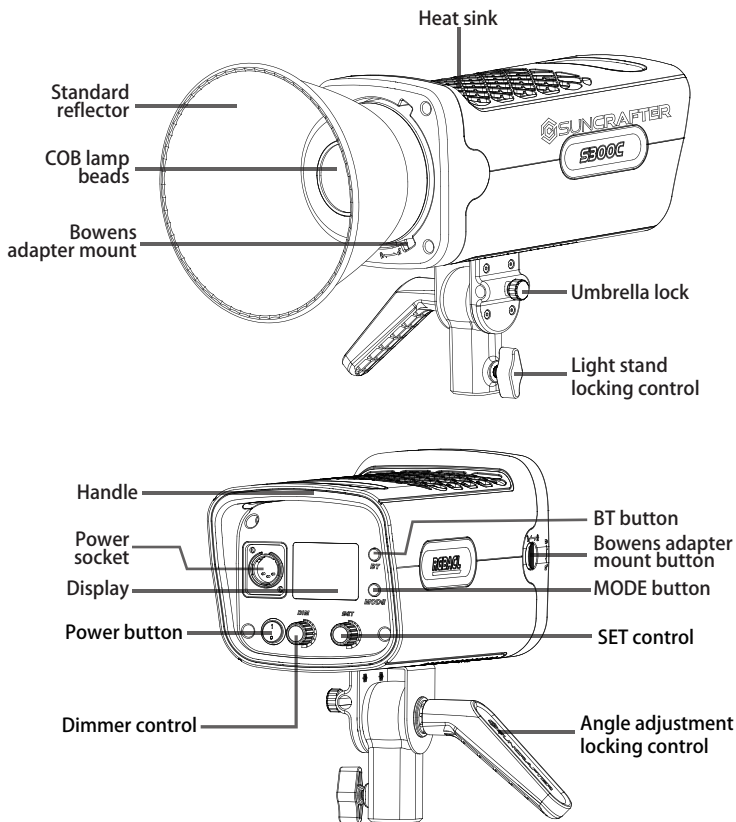
Features

1. Adaptable and simple to set up-can be used on or off a light stand as a flexible fill light.
2. The S300C employs innovative RGBACL six-color mixing technology, combining red, green, blue, amber, cyan, and lime LEDs with the ARRI Spectra six-color light engine. This combination provides a wider color gamut, more accurate colors, and, most importantly, higher color performance across the entire CCT range.
3. Color temperature range of 1800K-20000K, ensuring extremely high color accuracy at all color temperatures.
4. The S300C offers 19 different special lighting effects designed to suite various scenarios.
5. Comes with Color temperature, HSI and special effects control and can be connected to a mobile device via the APP which provides RGBW, Color co-ordinates XY, Color paper GEL, music mode, preset, multi-lamp control and other useful modes.
6. Connecting to the App via Bluetooth will provide further functions such as preset, multi-lamp control and music mode.
7. Set and save your personal lighting requirements using the preset and sequence dimming modes.
8. S300C features a standard Bowens mount, compatible with various standard Bowens mount light control accessories.
9. High temperature alert and automatic heat protection function provides longer light life.

Precautions:

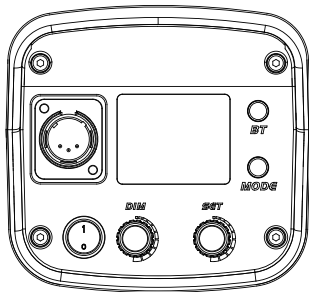
1. Keep lights dry, do not touch with wet hands , place in or near water or expose to rain, steam or moisture.
2. Please do not attempt to disassemble. If the light is faulty it should be inspected and repaired by our professional service team.
3. Keep out of reach of children and animals.
4. Please do not use the light near chemicals, combustible materials or similar products. Please read the warning labels of materials within the vicinity prior to using the light.
5. Please use the dedicated adapter for supplying power, and use within the specified voltage, current and temperature range.
6. Blocking the heat sink vent will damage the light.

Component Description



Operating Description

Controls Description



Power Button:

Up/Down toggle: On/Off

BT button:

Long press: Press and hold over 3 seconds to reset Bluetooth.

MODE button:

Press MODE button will switch to CCT / HSI / FX mode.

Dimmer control:

Rotate: adjust brightness.

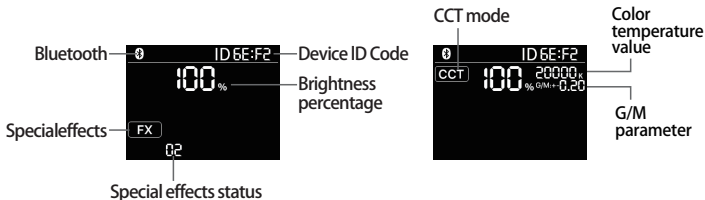
Press: enter up to twenty levels of brightness adjustment

SET Control:

Rotate: Adjust the color temperature and parameter values, and switch between different special effects.

Press: Move the cursor or confirm the current selection.

Screen Description



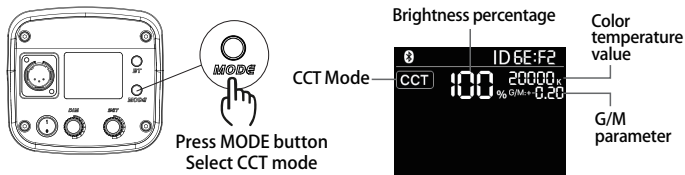
Mode Selection

■ CCT Mode

The adjustable parameters within color temperature mode are: color temperature range of 1800K to 20000K, brightness range of 0% to 100%, and a green/magenta range of -1 to +1. Press the MODE button to select and enter CCT mode, and rotate the SET control to quickly adjust. Pressing the SET control will move the cursor, and rotating the SET control will adjust the corresponding parameter.

 Rotate the Dimmer control to adjust brightness.

 Press the DIM control and click the brightness adjustment control to quickly switch between brightness levels: 0% → 20% → 40% → 60% → 80% → 100%.

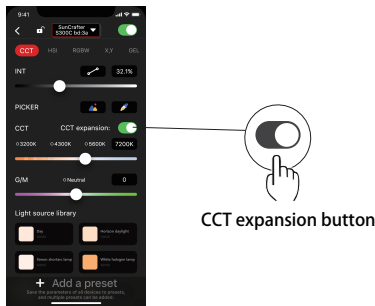


■ Color Temperature Expansion

When the device is connected to the APP, in CCT mode, press the color temperature extension button:

Turn on: Color temperature range 1400K~20000K.

Turn off: Default color temperature range 1800K~20000K.

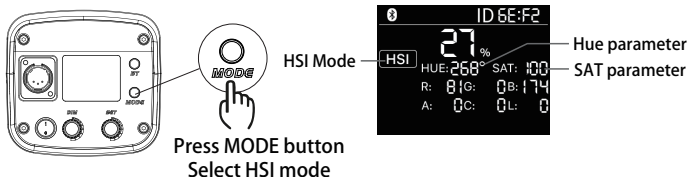


APP Interface

Mode Selection

■ HSI Mode

The adjustable parameters of the HSI mode are: HSI range of 0° to 360° , saturation range of 0% to 100%, and brightness range of 0% to 100%. Press the MODE button to select and enter HSI mode, and rotate the SET control to adjust the Hue. Pressing the SET control will move the cursor, and rotating the SET control will adjust the corresponding parameter.



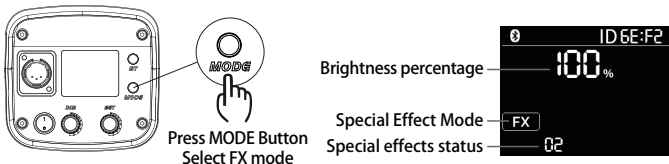
■ Special Effect Mode

The 19 special effects are as follows:

01: fireworks; 02: lightning; 03: paparazzi; 04: party; 05: nightclub; 06: clouds; 07: candle; 08: fire; 09: emergency vehicle; 10: TV; 11: welding light; 12: strobe light; 13: explosion; 14: fluorescent flicker; 15: pulsing; 16: broken light bulb; 17: SOS; 18: rainbow; 19: CCT Cycle.

Adjust corresponding parameters for the effect used.

Adjust corresponding parameters for the effect used. Press Mode, move cursor to effect box, and rotate SET to select effect.



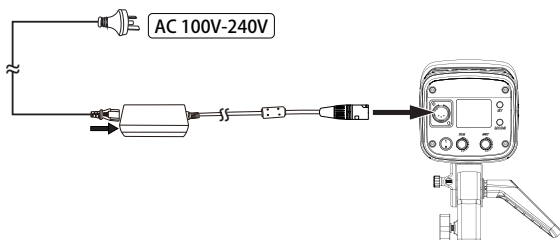
Power Management

■ Power supply

AC power supply: S300C Input AC 100V-240V~50/60Hz Output DC 48V/7.5A

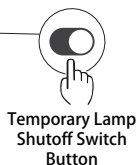
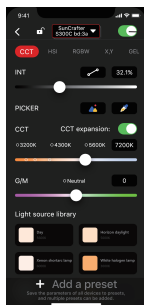
** Please check the corresponding voltage range before use*

** To remove the power cable, please press the spring loaded cable release button and carefully pull out of housing. Do not force.*



■ Temporary Lamp Shutoff

Press the power button to turn the light off, and press it again to turn the light on. Temporary light shutoff activates a low-power mode. When the product is not in use, ensure it is fully shut down.

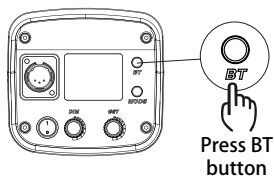


APP Interface

Bluetooth Connection

■ Bluetooth Connection and Reset

1. To set up the Bluetooth connection, download the Lumin+ App to your mobile device (smartphone or tablet) and register. Then, open the Lumin+ App and create a new project. Once in the project, search for available devices and select the appropriate device using its name or code to establish the Bluetooth connection. A successful connection will be indicated by the light blinking three times. From the project device list, you can choose to control a single device or multiple devices. The Bluetooth icon will appear on the status bar, allowing you to adjust the internal lighting values. If the APP displays a Bluetooth connection failure, make sure your mobile device has Bluetooth enabled or reset Bluetooth on the product and try to reconnect.
2. Bluetooth Reset: To reset the Bluetooth, perform a long press on the BT button. During the reset process, the Bluetooth icon will flash, and the screen will display "BT reset." Once the Bluetooth connection is successful, only the Bluetooth icon will be displayed.



Icon display on Bluetooth reset



Icon display after successful Bluetooth connection



Note:

1. Please reset the Bluetooth on the device first, otherwise the device will not be found.
2. The S300C connects to your mobile device using Bluetooth BLE5.1 technology. Ensure Bluetooth is enabled on your device before opening the App. Android users should also enable Bluetooth within the App.
3. The Lumin+ App currently supports iOS 12.0 and above. It also supports mobile devices with Android 8.0 and above.
4. After connecting the device to the Lumin+ App via Bluetooth, ensure that all devices have sufficient battery power to support the duration of the firmware update if prompted to do so.

APP Introduction

■App Overview

The Lumin+ App has multi-light control, Preset and music mode. For additional modes please download the Lumin+ App or visit www.suncrafter.com to access a detailed App user guide. To download the APP, please scan the QR code or search for Lumin+ App. For more information please visit www.suncrafter.com after registering you can operate the product using the APP, however should you change to another mobile device, the product will be reset via Bluetooth, after which you can use the APP connection.



Lumin+
App QR Code



■Preset and sequences

Within the Lumin+ APP, you can adjust the preset settings which can then be added to any sequence. By setting a flashing sequence layout, cycle mode, fade time, duration, etc. you can then switch between scenes and control and play the lighting effects wirelessly.

■Multi-light Control

Within the App's project device list, you can choose to add multiple lights to a project. By setting preset on each light you can create a multiple light sequence.

■Music mode

Music mode has a variety of ambient Colors that react and change according to the music.

■Special Effects

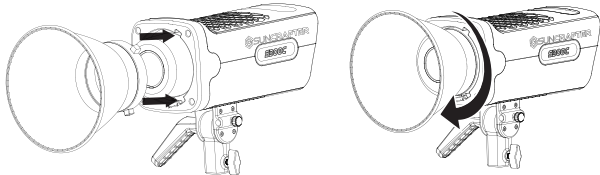
The Lumin+ APP has 19 internal effects, and more parameters can be set in the APP according to your lighting needs.

Accessory Installation

The S300C LED light comes with its own Standard Bowens mount and can be used with other light accessories which accommodate a Standard Bowens adapter such as Fresnel attachment, softbox or beauty dish etc.

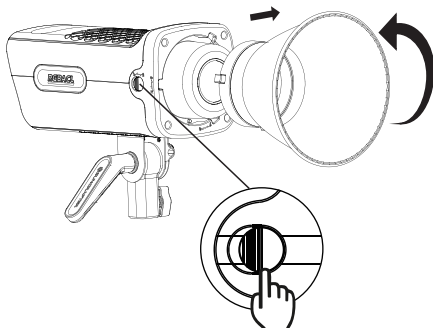
■ Reflector Installation

To attach the reflector, align the three tabs with the lamp head and then rotate them to lock it in place.



■ Reflector Removal

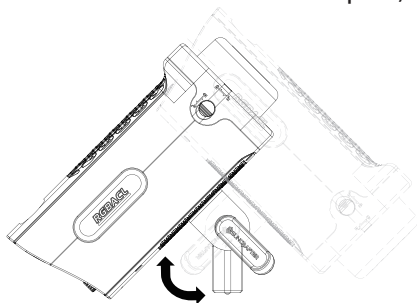
To remove the reflector, push the reflector release button on the lamp head and then rotate the reflector anti-clockwise.



How to Use

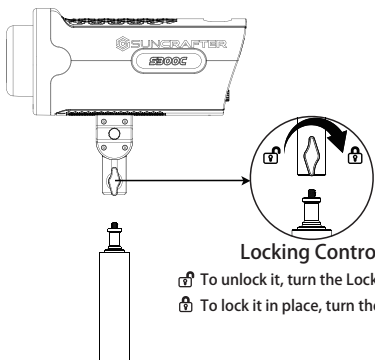
■ Adjustable Spotlight Angle

The angle of the light can be easily adjusted by turning the angle handle anti-clockwise. To lock it back in place, turn it clockwise.



■ Usage

The S300C can be attached to a light stand or other suitable support accessory



Locking Control

- 🔓 To unlock it, turn the Locking Control Lock counterclockwise
- 🔒 To lock it in place, turn the Locking Control Lock clockwise

Product Specifications

Product Name	LED Light
Model	S300C
Power supply specification	Intput AC 100V-240V~50/60Hz Output DC 48V/7.5A
Overall Power	340W
Light Output Power	300W
Materials	Aluminium alloy, PC
LED Lamp Beads	RGBACL
Bare Light Size	295 X 179 X228 mm
Bare Light Net Weight	2kg
Working Temperature	-15°C~40°C
IES TM-30 *	Rf 93 Rg100
CQS *	96
CRI *	97
TLCI *	94
Color Temperature*	1800K-20000K
Brightness Range	0%~100%
100% Illuminance (5600K)*	≈ 12300 LUX (Main lamp, Distance 1 meter)
100% Illuminance (5600K)*	≈ 30900 LUX (With reflector, Distance 1 meter)
Control Method	Bluetooth APP control, manual button control
Wireless Frequency	2.4GHz
Bluetooth Transmission Distance	15M(no interference)
Display Type	Monochrome OLED

*Note: The above data is based on SunCrafter Lab tests and there may be some variation in values with data marked with an asterick *

Illuminance Test Data

CCT	Distance	Main lamp (lux)	With reflector(lux)
1800K	1M	6900	16700
	3M	780	1560
	5M	285	547
2500K	1M	9560	23600
	3M	1090	2210
	5M	404	770
3200K	1M	11100	27900
	3M	1290	2590
	5M	470	900
4300K	1M	12300	30900
	3M	1430	2880
	5M	524	1000
5600K	1M	12300	30900
	3M	1430	2880
	5M	524	1010
7500K	1M	11500	29000
	3M	1340	2700
	5M	490	940

List of items



S300C
Main Light Body



Reflector



Power Cable



Power Adapter



Warranty Card



User Manual



Certificate

Notes

1. In order to avoid equipment failure, please do not expose this product to moisture or use in wet or rainy, sandy or dusty environments.
2. Do not disassemble or modify the product. Mishandling, including dropping the product, may result in permanent damage.
3. Keep this product and its parts out of the reach of children and animals.
4. Please ensure that the product is always free from moisture and is stored safely. Water and other liquids may contain minerals that can corrode the internal electronic circuits.
5. Avoid using or placing the product in high temperature environments, including direct strong, sunlight, as this may shorten the life of electronic parts, damage the battery or distort plastic parts or casings.
6. Avoid using the product in very low temperature environments as internal condensation or water particles may damage electronic circuitry as the temperature rises.
7. Avoid using or storing the product in dirty or dusty environments as this may damage components.
8. Avoid placing the product on or near hot surfaces or sources of heat such as lit cigarettes, naked flames or heating systems.
9. Do not disassemble the product by yourself. Inappropriate or unprofessional treatment may result in damage to the product.
10. Do not drop, knock or shake the product. Rough handling may damage the internal circuit board.
11. During use do not cover the light head with flammable materials.
12. To avoid burns, please do not handle the light if it is hot.

Maintenance

1. To prevent the accumulation of dust particles affecting the performance of the product, please carefully wipe the exterior of the product with a clean, soft, dry cloth at regular intervals.
2. The S300C is covered by a 3-year warranty from the date of original purchase.
3. Product damage or failure to operate caused by inappropriate or irregular operation is not covered by the warranty.
4. Unauthorized repair or attempting repair will make the warranty void and any authorised repair will then be subject to charges.
5. If the product fails to function or is subjected to water or moisture please ensure it is professionally examined and repaired prior to using it.
6. Always use a clean, dry soft cloth to clean the lens on the product. Do not use harmful chemicals, cleaning agents or liquids to clean the product.
7. In the unlikely event that the product is found to be faulty please contact our Customer Service team who will be happy to assist you: cs@suncrafter.com

Statement

SunCrafter reserves the right to modify or correct all hardware and software specifications without prior notice. In the event of any discrepancy between the instruction manual and the actual product, please refer to the product itself. SunCrafter and its affiliates shall not be held liable for any direct, indirect, punitive, incidental, special, consequential, or property damage, or any harm to life resulting from the use or misuse of any SunCrafter product. The user assumes all risks associated with using this product, and this disclaimer does not affect your legal rights.



Lumin+
APP QR Code

To download the Lumin+ App, please scan the QR code or visit our website. For more information on operation modes please visit our website www.suncrafter.com

Manufacturer's Information



9meanders Inc

US Design & Made in China

Origin: China

Website: www.suncrafter.com

