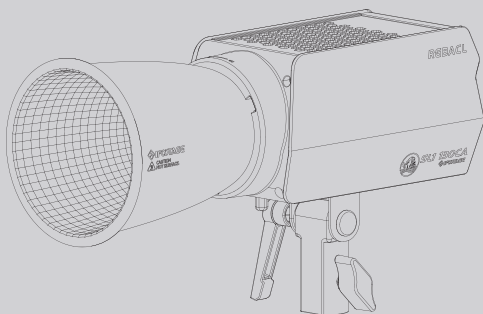




# SL1 130CA LED Light User Manual



Thank you for choosing iFootage. To ensure optimal performance, please read this manual carefully and keep it safe for future reference.

This surpasses industry standards, providing professionals with superior control and creative freedom to achieve ideal lighting effects.

The SL1 130CA supports precise color temperature and brightness adjustment, HSI, and 19 special effects. It can also connect to a mobile APP for multi-parameter settings and preset additions. The 130CA light is compact, suitable for handheld fill light or fixed mounting on a light stand. This product is applicable to most scenarios (e.g., mobile phone shooting, still life photography, portrait photography, video recording, wedding photography, etc.).

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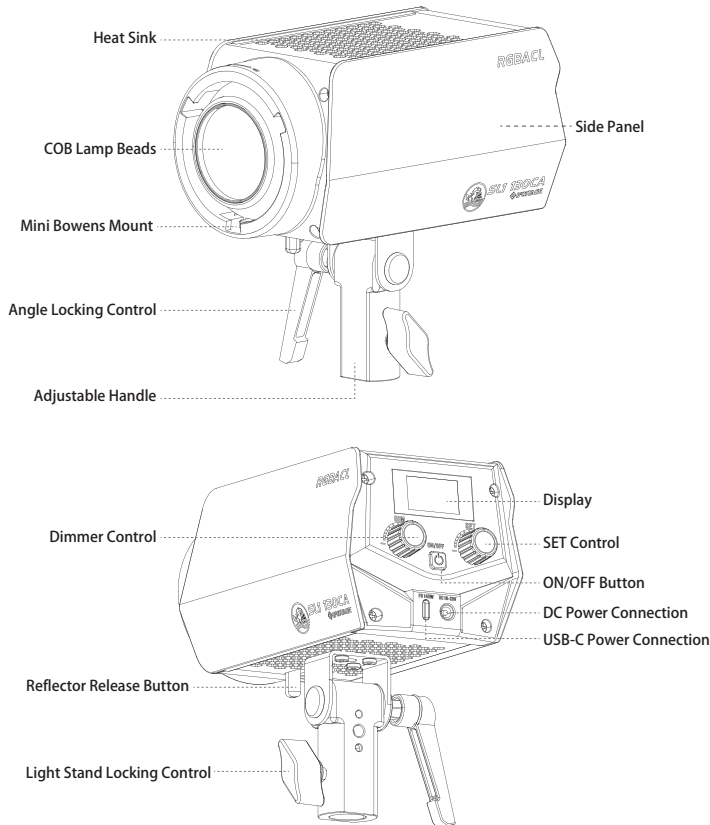
# Features

1. The SL1 130CA light body is compact and portable, allowing for flexible handheld fill lighting or fixed mounting on a light stand, making usage transitions convenient.
2. The SL1 130CA utilizes innovative RGBACL six-color mixing technology, combining red, green, blue, amber, cyan, and lime LEDs (ARRI Spectra six-color light engine), providing a wider color gamut and more precise colors. Most importantly, it offers higher color rendition across the entire CCT range.
3. The dynamic adjustable color temperature range is 1800K-20000K, ensuring extremely high color accuracy at all color temperatures.
4. There are 19 special effects scenarios available, allowing for parameter adjustment based on the specific usage scene.
5. Diverse dynamic dimming methods are available, with 4 dimming curves to choose from.
6. The product features built-in color temperature, HSI, and special effects. It can be connected to a mobile device via Bluetooth to use the APP, which includes modes such as RGBW, Color Coordinate XY, Color Gel, Rhythm Music, Presets, and Multi-light Control.
7. Presets and sequence dimming allow you to set light source playback parameters according to personal preference and save different preset scenes for quick recall.
8. The fan modes include Silent Mode, Auto Mode, and Ultra-silent Mode. Auto Mode can detect the COB temperature in real-time and automatically adjust the fan speed.
9. To ensure long-term normal use, this product has high-temperature warning and automatic protection functions.

## Precautions:

1. Keep dry. Do not expose the product to water, liquids, rain, or moisture either whilst in use or when in storage. Do not handle the product with wet hands.
2. Do not disassemble, modify, or attempt to repair the product yourself.
3. Keep this product out of the reach of children and animals.
4. Do not use or store near harmful chemicals, combustible materials, or sources of heat (open flames, cigarettes, heating systems).
5. Avoid exposure to extreme temperatures, direct sunlight, moisture, sand, dust, or other harsh environments.
6. Use only appropriate adapters for power supply, and ensure that PD-140W adapters are used for USB-C power delivery to maintain correct voltage and safe operation.
7. Do not drop, knock, or shake the product. Rough handling may damage internal components.
8. Do not cover the heat sink during operation, and avoid direct contact with the COB light beads to prevent burns.

# Component Description



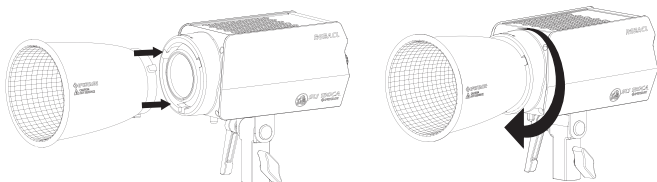


# How to Use

The SL1 130CA LED light head comes with a Mini Bowens mount, which is compatible with fill light accessories equipped with a Mini Bowens mount. For more configurations, you can purchase additional accessories such as Fresnel lenses, Intensifier, lantern softbox, softboxes, and beauty dishes.

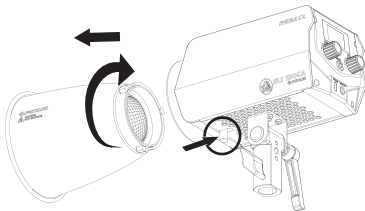
## ■ Reflector Installation

To attach the reflector, the three tabs must be aligned with the lamp head and then rotated to lock it in place.



## ■ Reflector Removal

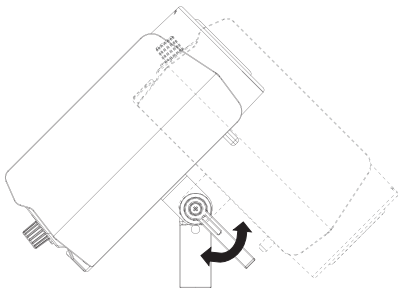
Push the reflector release button on the lamp head and rotate the reflector anti-clockwise to remove.



# How to Use

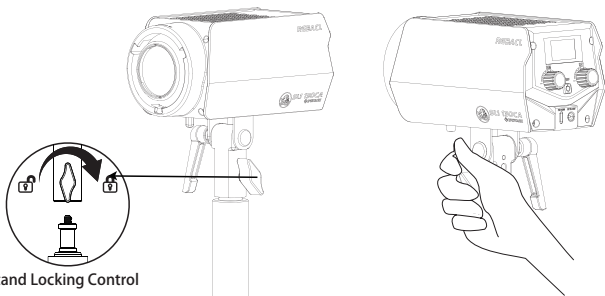
## ■ Adjustable Spotlight Angle

Turn the Angle Locking Control anti-clockwise to unlock, adjust the angle of the light as desired, then turn clockwise to lock securely in place.



## ■ Usage

The 130CA can be used hand held or attached to a light stand or other suitable support accessory, easy assembly and disassembly.



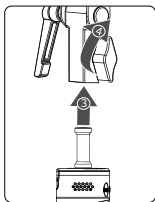
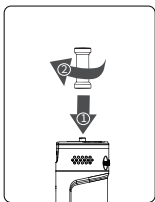
Light Stand Locking Control

- 🔓 Turn the Light Stand Locking Control counterclockwise to unlock
- 🔒 Turn the Light Stand Locking Control clockwise to lock

# Accessory Installation

## ■ PD140W Battery Grip Installation

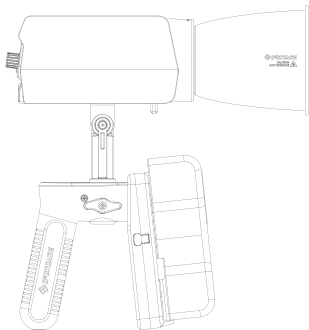
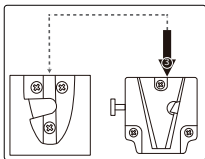
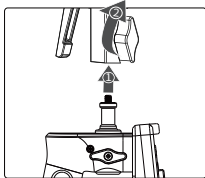
Secure the battery grip to the adjustable angle handle using the 1/4" screw hole, then tighten the Light Stand Locking Control. Connect the battery grip to the light with the appropriate power cable to provide continuous power during operation.



\*PD140W battery grip, USB cable, and other accessories are not standard configurations; customers need to purchase separately.

## ■ V-mount Handle Installation

Connect the adjustable angle handle to the V-mount handle and tighten the Light Stand Locking Control. Attach the V-mount battery or battery box securely into the V-slot on the handle, then connect it to the light using the appropriate power cable to provide continuous power during operation.



\*V-mount handle, V-mount battery, and other accessories are not standard configurations; customers need to purchase separately.

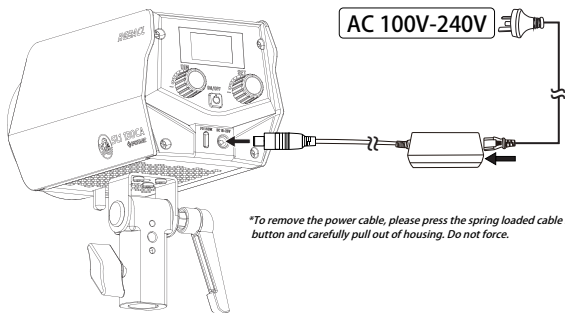
# Power Management

## ■ Power supply

DC Power Port: DC15-28V

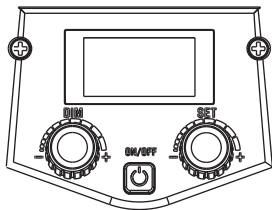
USB-C Port: PD3.1 28V  $\equiv$  5A

Note: If using a power adapter which is less than 14.8V, the lamp power will be automatically adjusted to below 80%. To ensure normal operation of the lamp, it is recommended that the correct iFootage standard power supply adapter is used at all times - third-party adapters are not recommended.



# Operating Description

## ■ Controls Description



### ON/OFF Button:

-  Tap: Power on
-  Long press: Press and hold over 3 seconds to power off
-  Short press: Temporarily turns light off/on

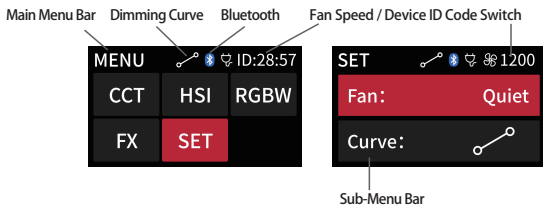
### Dimmer Control:

-  Rotate to adjust brightness.
-  Press the Dimmer control repeatedly to use preset brightness: 20%, 40%, 60%, 80% and 100%.

### SET Control:

-  Long press: return to the previous level menu.
-  Press: go to the next level menu / switch between sub-menu options.
-  Rotate: move up and down options / switch between modes.

## ■ Screen Description



# Mode Selection

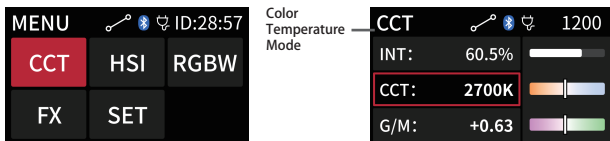
## ■ Color Temperature Mode

Adjustable parameters in Color Temperature mode: Brightness range 0%~100%, Color Temperature range 1800K~20000K, G/M range -1~+1.

Long press the SET button to enter the menu. Select "Color Temperature" and press the SET button to enter Color Temperature mode. Rotate the SET knob to quickly adjust the color temperature. Press the SET button to move the cursor, and rotate the SET knob to adjust the corresponding parameters.

Rotate the DIM control: Adjust brightness.

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



## ■ Color Temperature Extension

Long press the SET button to enter the menu. Select "Color Temperature" and press the SET button to enter Color Temperature mode. Rotate the SET knob to select "Color Temperature Extension" and click "On/Off".

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

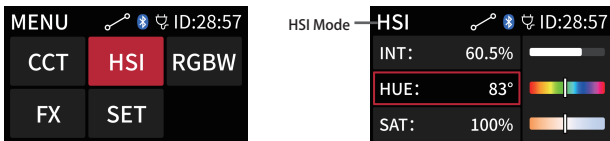
Turn off Color Temperature Extension: Default color temperature range 1800K~20000K.



## ■ HSI Mode

Adjustable parameters in HSI mode: Brightness range 0%~100%, Hue range: 0° ~ 360°, Saturation range: 0%~100%.

Long press the SET button to enter the menu. Select "HSI" and press the SET button to enter HSI mode. Short press the SET button to select Hue or Saturation, and rotate the SET knob to adjust the corresponding parameters.

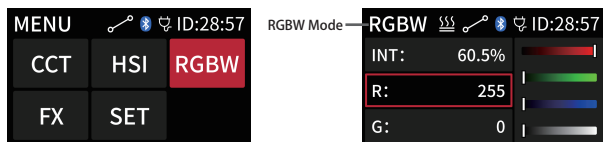


# Mode Selection

## ■ RGBW Mode

Adjustable parameters in RGBW mode: Red/Green/Blue/White value adjustment range 0~255, Brightness adjustment range 0%~100%.

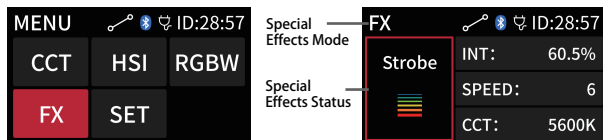
Long press the SET button to enter the menu. Select "RGBW" and press the SET button to enter RGBW mode. Press the SET button to select Red/Green/Blue/White. Rotate the SET knob to adjust the color parameters.



## ■ Special Effects Mode

There are 19 types of adjustable special effects: Fireworks, CCT Cycle, SOS, Rainbow, Lightning, TV, Breathing Light, Fire, Police Car, Party, Strobe, Welding, Broken Bulb, Candle, Clouds, Nightclub, Stroboscopic Flash, Explosion, and Stroboscopic Fluorescent Lamp. Brightness adjustment range 0%~100%.

Long press the SET button to enter the menu. Select "Special Effects" and press the SET button. The cursor will land on the special effect. Press the SET button to select the special effect type, speed, and color temperature. Rotate the SET knob to switch special effects, and adjust corresponding parameter values such as speed/frequency/decay.

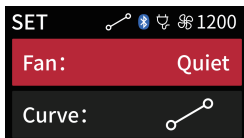
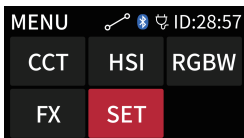


# Settings Function Introduction

## Fan Speed Switching

Fan speed can be set according to usage. There are 3 fan modes: Silent Mode, Auto Mode, and Ultra-silent Mode.

Long press the SET button to enter the menu. Select "Settings" and press the SET button to enter the submenu. Rotate the SET knob to select "Fan". Press the SET button to switch fan modes.



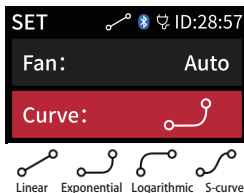
If in Silent Mode/Ultra-silent Mode, pressing the DIM button will exit Silent Mode.

Note: When in use, please do not block the heat sink and ensure proper airflow through the body.

## Dimming Curve

This is a means of pre-setting the dimming light function using one of four dimming curves: linear, exponential, logarithmic and S-curve. Each one provides an alternative type of dimming.

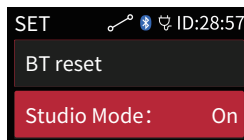
Long press the SET button to enter the menu. Select "Settings" and press the SET button to enter the submenu. Rotate the SET knob to select "Dimming Curve". Press the SET button to switch dimming curve modes.



## Power-on

With "Power-on" enabled, if power is restored after a power outage, the device will power on automatically without needing to press the power button.

Long press the SET button to enter the menu. Select "Settings" and press the SET button to enter the submenu. Rotate the SET knob to select "Power-on". Press the SET button to turn "Power-on" On/Off

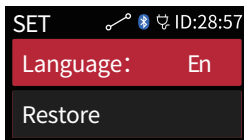




## Settings Function Introduction

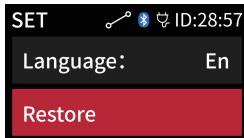
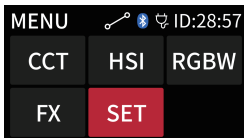
## ■ Language Settings

Long press the SET button to enter the menu. Select "Settings" and press the SET button to enter the submenu. Rotate the SET knob to select "Language". Press the SET button to switch between Chinese/English.



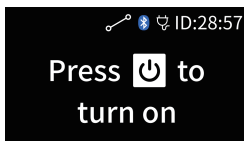
## ■ Restore Factory Settings

Long press the SET button to enter the menu. Select "Settings" and press the SET button to enter the submenu. Rotate the SET knob to select "Factory Reset". Press the SET button to select "Yes/No". Pressing "Yes" will perform a factory reset, and pressing "No" will exit the factory reset interface.



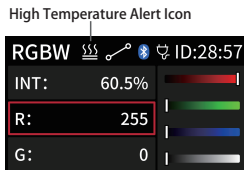
## ■ Temporary Lamp Shutoff

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



## ■ High Temperature Alert

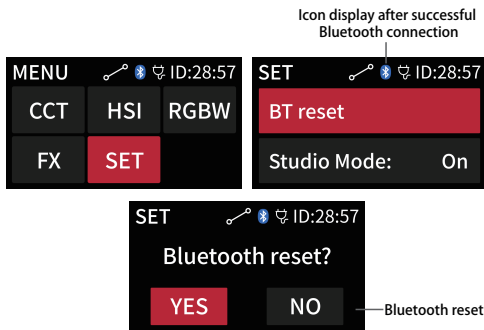
When the display shows the 'Overheating Protection' warning, the brightness will be reduced. It is recommended to turn the lamp off, and then continue to use after the overall temperature of the light has reduced. Long-term use of this product in high temperature conditions will affect the life of the device.



# Bluetooth Connection

## ■ Bluetooth Connection and Reset

1. For Bluetooth connection: download the iFootage Lumin App to your mobile device (Smartphone or tablet). Once registered, open the Lumin App and create a new project. Open the project and search for devices, select the appropriate device using the device name or code to connect via Bluetooth. The light will blink three times to show a successful Bluetooth connection. Via the project device list, select to control single or multiple devices. The Bluetooth icon will appear on the status bar after which you can set the internal lighting values. If the APP shows Bluetooth connection failure, please check to see that your mobile device is Bluetooth enabled or reset Bluetooth on the product and try to reconnect.
2. Bluetooth Reset: Long press the SET button to enter the menu. Select "Settings" and press the SET button to enter the submenu. Rotate the SET knob to select "Bluetooth Reset". Press the SET button to select "Yes/No". Pressing "Yes" will perform a Bluetooth reset, and pressing "No" will exit the Bluetooth reset interface.



### Note:

1. Please reset the Bluetooth on the device first, otherwise the device will not be found.
2. The 130CA and mobile device connection use Bluetooth BLE5.1 technology. Prior to opening the App to connect please ensure that Bluetooth has been enabled on your device. If using Android, you will need to enable Bluetooth on the APP also.
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 please ensure that, when prompted to make a firmware update, the battery power for all devices is sufficient to support the duration of the update.

# APP Introduction

## ■ APP Overview

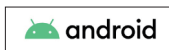
The Lumin+ App has multi-light control, Preset and music mode. For additional modes please download the Lumin+ App or visit [www.ifootagegear.com](http://www.ifootagegear.com) to access a detailed App user guide. To download the APP, please scan the QR code or search for Lumin+ App. For more information please visit [www.ifootagegear.com](http://www.ifootagegear.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.



APP QR Code



Official Website 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 colours 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.

# Product parameters

|                                 |                                               |
|---------------------------------|-----------------------------------------------|
| Product Name                    | LED Light                                     |
| Model                           | SL1 130CA                                     |
| Adapter Voltage                 | Input AC 100V-240V~50/60Hz Output DC 20V      |
| Light Body Working Voltage      | DC 15-28V                                     |
| Overall Power                   | 168W                                          |
| LED Lamp Beads                  | RGBACL                                        |
| Materials                       | Aluminium alloy, stainless steel, PC          |
| Bare Light Size                 | 176 X 120 X 115 mm                            |
| Bare Light Net Weight           | 0.95 kg                                       |
| Adapter Size                    | 172.5 X 72.5 X35 mm                           |
| Adapter Net Weight              | 1.01 kg                                       |
| Working Temperature             | -15°C~45°C                                    |
| IES TM-30 *                     | Rf95 Rg100                                    |
| CQS *                           | 96                                            |
| CRI *                           | 97                                            |
| TLCI *                          | 96                                            |
| Colour Temperature*             | 1800K~20000K                                  |
| Brightness Range                | 0%~100%                                       |
| 100% Illuminance(5600K)*        | ≈6010 LUX (main lamp, distance 1 meter)       |
| 100% Illuminance(5600K)*        | ≈22000 LUX (with reflector, distance 1 meter) |
| Control Method                  | Bluetooth APP control, manual button control  |
| Wireless Frequency              | 2.4GHz                                        |
| Bluetooth Transmission Distance | 15 meters(no interference)                    |
| Display Type                    | TFT Colour Screen                             |

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

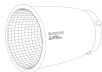
# Illuminance Test Data

| CCT    | Distance | Main lamp (lux) | With reflector(lux) |
|--------|----------|-----------------|---------------------|
| 1800K  | 1M       | 2010            | 7660                |
|        | 3M       | 235             | 739                 |
| 2700K  | 1M       | 3670            | 13900               |
|        | 3M       | 426             | 1340                |
| 3200K  | 1M       | 4400            | 16800               |
|        | 3M       | 513             | 1620                |
| 4300K  | 1M       | 6000            | 22000               |
|        | 3M       | 702             | 2220                |
| 5600K  | 1M       | 6010            | 22000               |
|        | 3M       | 703             | 2220                |
| 6500K  | 1M       | 5810            | 21700               |
|        | 3M       | 671             | 2130                |
| 10000K | 1M       | 4600            | 17500               |
|        | 3M       | 531             | 1680                |
| 20000K | 1M       | 4850            | 18300               |
|        | 3M       | 557             | 1770                |

# List of items



SL1 130CA  
Main Light Body \* 1



Reflector \* 1



Power Adapter \* 1



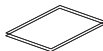
3m Power Cable \* 1



Light Stand Adapter Screw \* 1



Carry Case \* 1



Warranty Card / User Manual / Product Certification \* 1

## Notes

1. Keep dry. Do not expose the product to water, rain, or moisture, and do not handle it with wet hands.
2. Do not disassemble, modify, or attempt to repair the product yourself.
3. Keep this product and its parts out of the reach of children and animals.
4. Store in a dry, safe place; liquids can corrode internal electronic circuits.
5. Avoid high-temperature environments, including direct strong sunlight; heat can shorten electronic life, damage batteries, or deform parts.
6. Avoid very low temperatures; condensation during warm-up may damage internal circuitry.
7. Keep away from dirt, sand, dust, or other contaminants that may damage components.
8. Do not place the product on or near hot surfaces or open flames (e.g., lit cigarettes, heaters).
9. Do not drop, knock, or shake the product; impact may damage internal components.
10. Do not cover the light head or heat sink; keep flammable materials clear during use.
11. Do not touch the COB light beads during operation; they may be hot and cause burns.
12. Allow the light to cool before handling if it has been in use.

# 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 SL1 130CA is covered by a 3-year warranty from the date of original purchase. For other iFootage products, please refer to their respective warranty terms.
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. If you experience any issues or have questions, please contact our Customer Service team at [cs@ifootagegear.com](mailto:cs@ifootagegear.com) for assistance.

# Statement

iFootage reserves the right to modify or rectify hardware and software specifications without prior notice. In case of discrepancies between this manual and the actual product, refer to the physical product. iFootage and its affiliates shall not be liable for direct, indirect, punitive, incidental, special, consequential, property damage, or harm resulting from product misuse. The user assumes all risks associated with product usage. This disclaimer does not affect your legal rights.



Lumin+  
APP QR Code



Official Website  
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.ifootagegear.com](http://www.ifootagegear.com)

## Manufacturer's Information



IFOOTAGE INTERNATIONAL (HK) LIMITED

UK Design & Made in China

Origin: China

Website: [www.ifootagegear.com](http://www.ifootagegear.com)

