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Aputure Ray 60C

Aputure Amaran Ray 60C LED Portable Video Light User Manual

Model: Ray 60C

1. INTRODUCTION

The Aputure Amaran Ray 60C is a compact and portable LED video light designed for professional photography and videography. It features OmniColor technology for accurate color reproduction, a wide CCT range from 1,800K to 20,000K, and flexible power options. This manual provides detailed instructions for setting up, operating, and maintaining your Amaran Ray 60C.



Image 1.1: Amaran Ray 60C LED Portable Video Light with included softbox and grip.

2. PRODUCT FEATURES

- **High Output:** Delivers up to 3,910 lux at 1m without accessories, providing significant brightness for various lighting scenarios.
- **OmniColor Technology:** Reproduces true-to-life colors with expanded red and blue ranges, achieving high SSI scores (87 Tungsten, 80 D56) for accurate color rendition.
- **Wide Color Temperature Range:** Adjustable CCT from 1,800K to 20,000K, allowing for precise color matching and creative lighting effects.
- **Flexible Power Options:** Supports DC power adapter, amaran Ace E-Lock, and USB-C PD for versatile power solutions, suitable for both studio and on-location shoots.
- **Intuitive Controls:** Features a FlowTurn knob for precise adjustments and quick navigation through settings.
- **App Connectivity:** Seamless control via the amaran app with built-in NFC for quick pairing.
- **IP54 Weather Resistance:** Designed to withstand dust and splashes, enabling reliable performance in various environmental conditions.

- **Compact and Lightweight Design:** Weighing only 528.5g (1.17lb), the lamp head is ultra-portable for easy setup, storage, and travel.

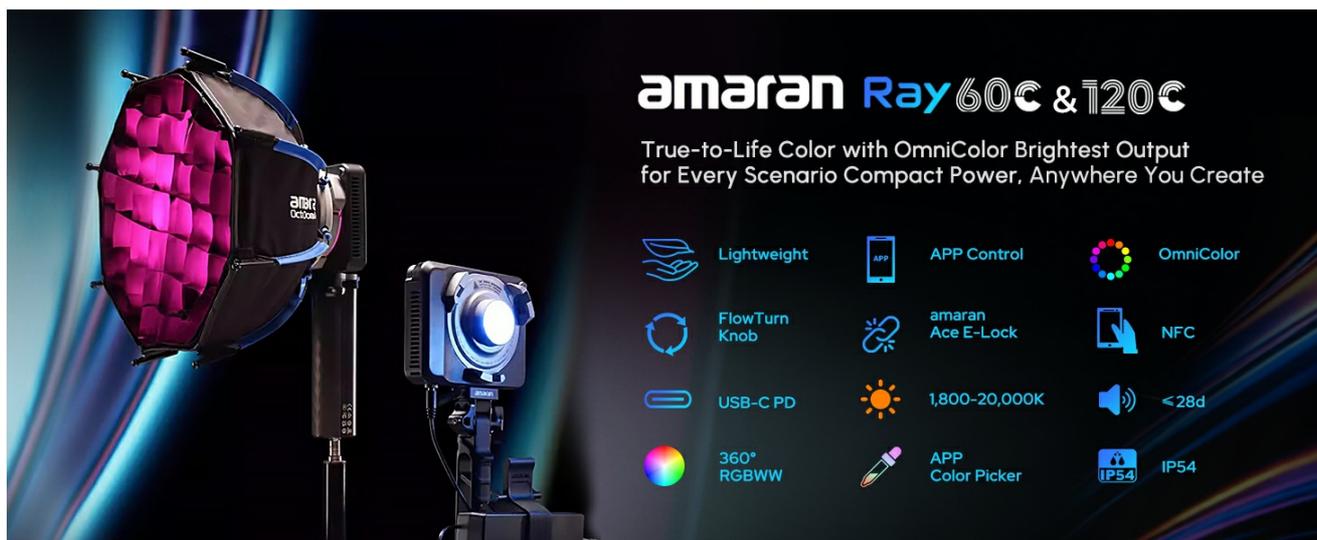


Image 2.1: Overview of Amaran Ray 60C key features.



Image 2.2: OmniColor technology details and brightness comparison.



Image 2.3: Professional wide color gamut and CCT adjustment capabilities.

3. WHAT'S IN THE BOX

Verify that all components are present in the package:

- 1x amaran Ray 60c
- 1x amaran AC to DC 90W Power Adapter (0.5m cable)
- 1x amaran AC Power Cable (4m)
- 1x amaran Octa Dome 30 (Diffuser+Grid)
- 1x amaran Octa Dome 30 Diffusion Cloth
- 1x amaran Octa Dome 30 Light Control Grid
- 1x amaran Ace Lock to Baby Pin Adapter Grip
- 1x amaran Ray Carrying Bag

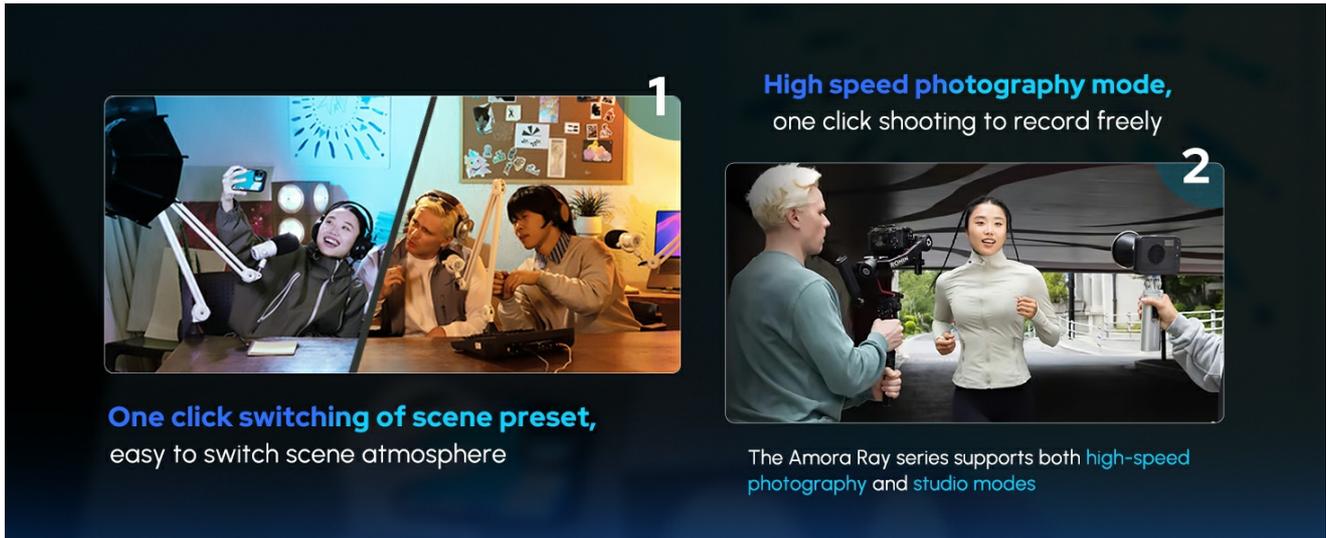


Image 3.1: All items included in the Amaran Ray 60C package.

4. SETUP INSTRUCTIONS

4.1 Unpacking and Initial Inspection

1. Carefully remove all components from the carrying bag.
2. Inspect the light fixture and accessories for any signs of damage. If any damage is found, contact your dealer immediately.

4.2 Attaching the Octa Dome 30 Softbox

1. Unfold the Octa Dome 30 softbox.
2. Align the mounting points of the softbox with the light fixture.
3. Secure the softbox to the light fixture using the one-snap setup mechanism. Ensure it is firmly attached.
4. Attach the diffusion cloth and grid to the softbox as desired for light shaping.

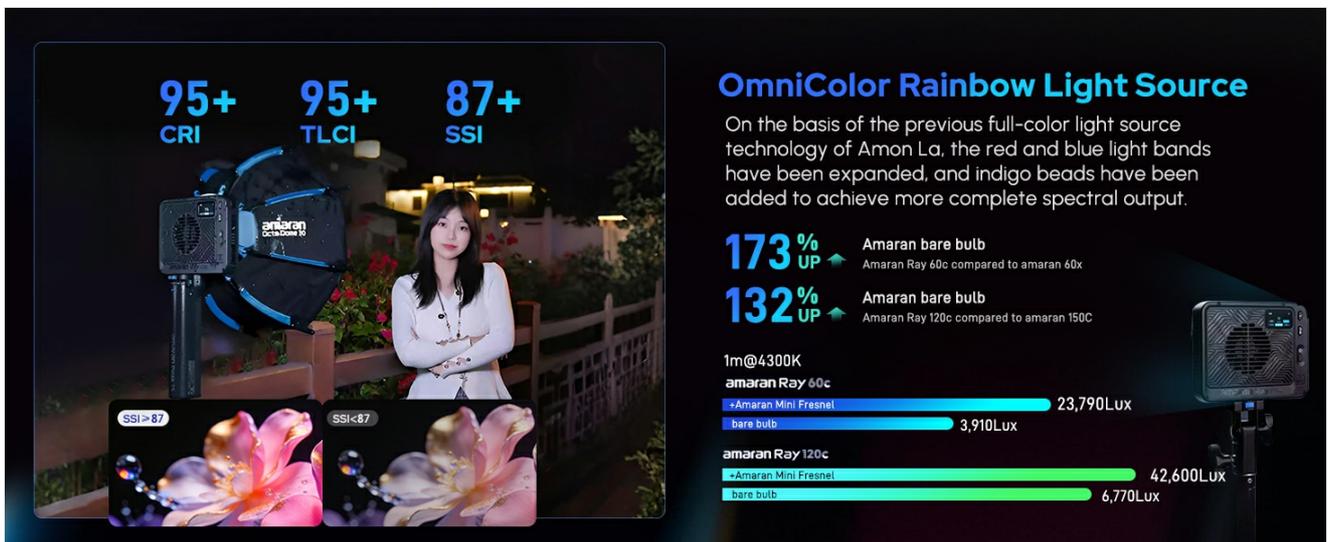


Image 4.1: One-snap setup for the Octa Dome 30 softbox.

4.3 Power Connection

- Using DC Adapter:** Connect the amaran AC to DC 90W Power Adapter to the light fixture's DC input, then plug the AC power cable into a wall outlet.
- Using USB-C PD:** Connect a compatible USB-C PD power bank or charger to the USB-C PD port on the light fixture.
- Using amaran Ace E-Lock:** Attach a compatible amaran Ace E-Lock battery (sold separately) to the designated port on the light fixture.

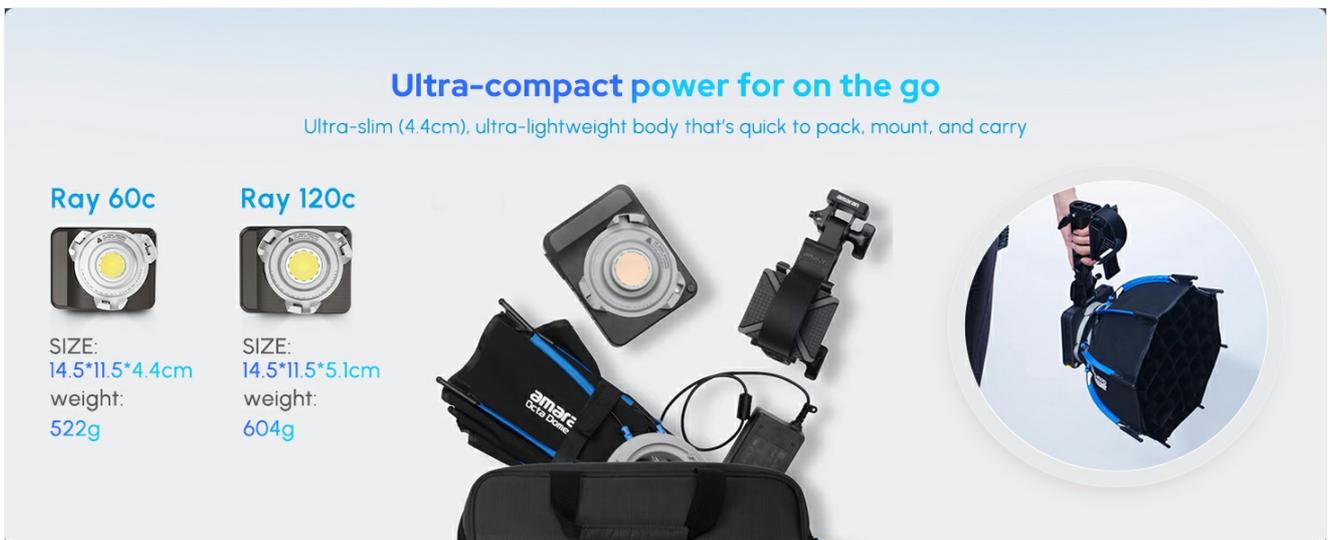


Image 4.2: Flexible power options for the Amaran Ray 60C.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press and hold the power button located on the light fixture to turn the unit on or off.

5.2 Adjusting Settings with FlowTurn Knob

The FlowTurn knob allows for precise control over various parameters:

- CCT Mode:** Rotate the knob to adjust the color temperature from 1,800K to 20,000K.
- HSI Mode:** Adjust Hue, Saturation, and Intensity.

- **RGB Mode:** Fine-tune Red, Green, and Blue values.
- **Brightness:** Press the knob to select brightness adjustment, then rotate to change the intensity.

5.3 Using the amaran App

For advanced control and features, download the official amaran app from your device's app store.

1. Enable NFC on your smartphone.
2. Open the amaran app.
3. Tap your smartphone near the NFC tag on the light fixture to pair the device.
4. Once paired, you can control CCT, HSI, RGB, brightness, and access various lighting effects (FX) directly from the app.

5.4 Special Lighting Effects (FX)

The Amaran Ray 60C includes 12 built-in lighting effects such as Fireworks, Cop Car, Faulty Bulb, TV, Lightning, Party Lights, Pulsing, Strobe, Explosion, Fire, Paparazzi, and Welding. These can be accessed and adjusted via the amaran app or the on-board controls.

6. MAINTENANCE

6.1 Cleaning

- Ensure the device is powered off and disconnected from all power sources before cleaning.
- Use a soft, dry cloth to wipe the exterior of the light fixture.
- For stubborn dirt, a slightly damp cloth with mild detergent can be used, followed by a dry cloth. Avoid abrasive cleaners or solvents.
- Keep the ventilation openings clear of dust and debris to ensure proper cooling.

6.2 Storage

- Store the Amaran Ray 60C in its original carrying bag or a suitable protective case when not in use.
- Store in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not power on	No power supply; Loose connection; Faulty power adapter/battery	Check power cable and adapter connection; Ensure battery is charged or replaced; Try a different power source.
Cannot connect to amaran app	NFC disabled; App not updated; Bluetooth issue	Ensure NFC is enabled on your phone; Update the amaran app; Restart the light and your phone.
Light output is inconsistent	Overheating; Firmware issue	Ensure proper ventilation; Check for firmware updates and install if available.
Unusual noise during operation	Fan obstruction; Component issue	Ensure fan vents are clear; If noise persists, contact customer support.

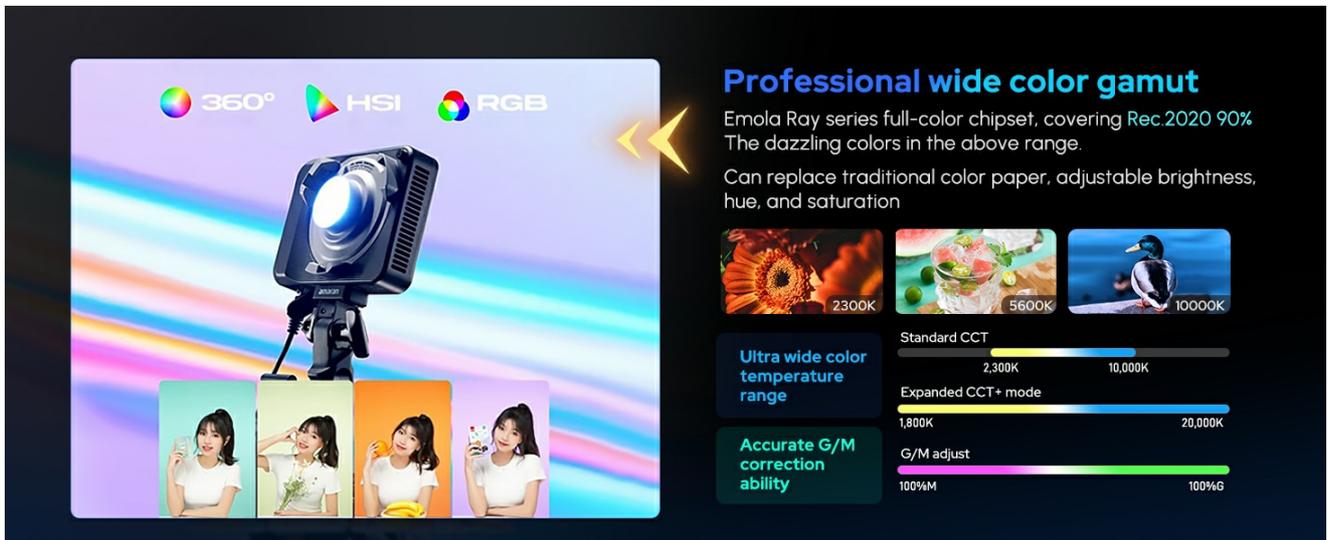


Image 7.1: Amaran Ray 60C weather resistance and cooling system details.

8. SPECIFICATIONS

Feature	Specification
Model	Amaran Ray 60C
Wattage	60 Watts
CCT Range	1,800K - 20,000K
Connectivity	Bluetooth
Power Input	DC 100-240V, USB-C PD, amaran Ace E-Lock
Item Weight	7.04 pounds (total package weight)
Lamp Head Weight	528.5g / 1.17lb
Package Dimensions	16.4 x 10.4 x 4.4 inches
Weather Resistance	IP54 Rated
Manufacturer	Aputure



Image 8.1: Compact dimensions and weight of the Amaran Ray 60C.

9. WARRANTY AND SUPPORT

Aputure products typically come with a standard manufacturer's warranty. For specific warranty details, please refer to the warranty card included with your product or visit the official Aputure website. For technical support, troubleshooting assistance, or service inquiries, please contact Aputure customer support or your authorized dealer. Additional protection plans may be available for purchase to extend coverage beyond the standard warranty period. Please check with your retailer for options.