SpectroLED

ESSENTIAL 500II
LIGHT

USER MANUAL

ESSENTIAL



genaray®

SP-E-500II
INTRODUCTION

THANK YOU FOR CHOOSING GENARAY

The SpectroLED Essential Bi-Color LED and Daylight LED lights have a sturdy housing that's designed for use in the studio or on location. They produce bright, consistent light powered by AC power or by two Sony-style NP-F batteries.

The daylight version generates a 5600 K daylight-balanced light. The bi-Color version has a variable color temperature that allows you to choose from 3200 to 5600 K. A built-in dimmer allows you to change the light output from 100% to 0%. Additionally, a removable diffusion filter is included to help soften and spread the light.

LED lights produce very little heat, so the SpectroLED can be used for extended periods without overheating.

The Essential LED-series lights are excellent lightweight fixtures that provide a high-powered lighting solution for in-studio or on location illumination.

PRECAUTIONS



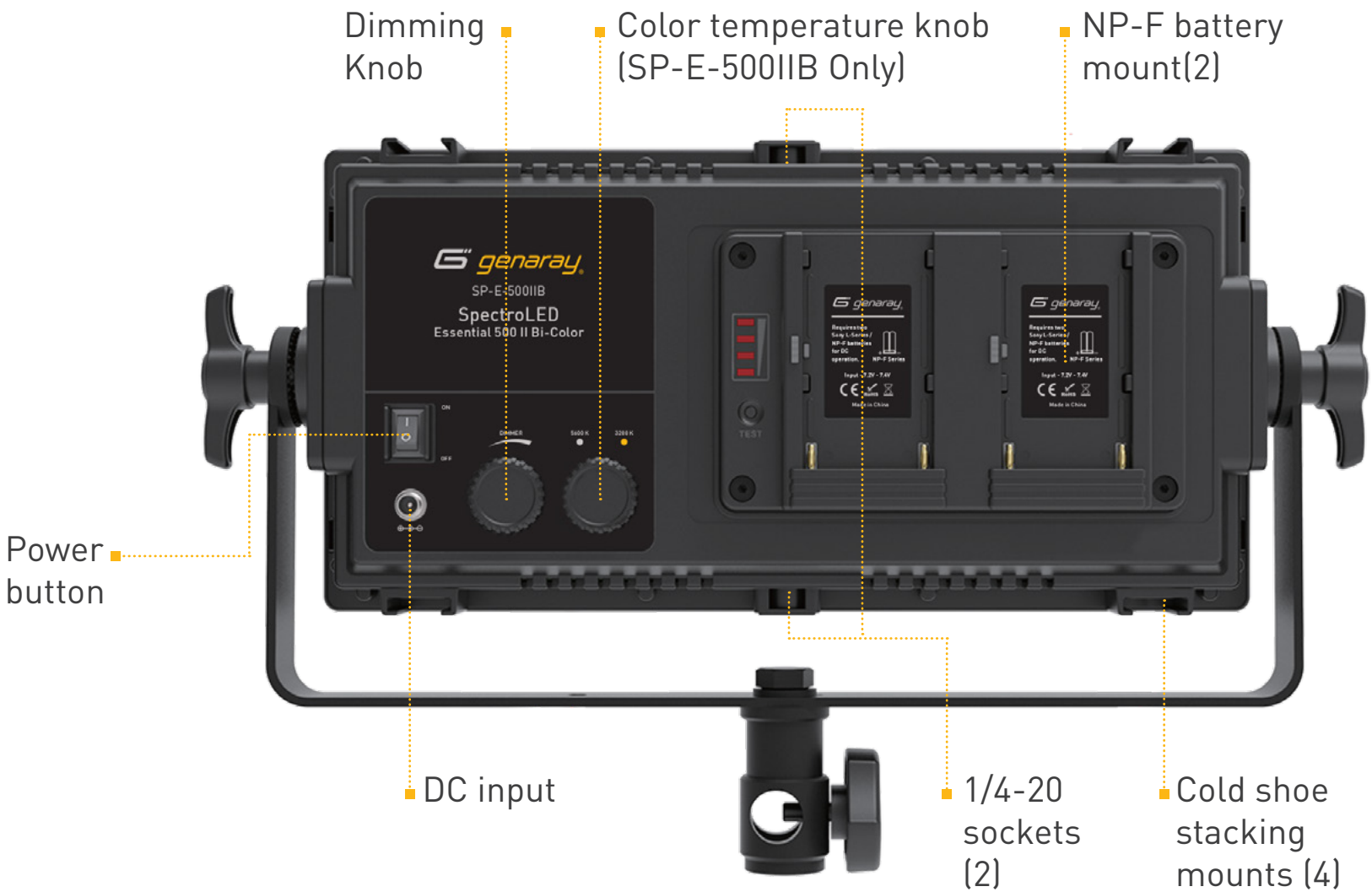
- Please read and follow these instructions, and keep this manual in a safe place.
- Keep this unit away from water and any flammable gases or liquids.
- Use only the recommended batteries.
- Do not attempt to disassemble or repair the equipment—doing so will void the warranty, and Genaray will not be responsible for any damage.
- Handle the unit with care.
- Do not stare directly at the lights when they are powered on.
- Clean the unit with a soft, dry cloth.
- Keep this unit away from children.
- Use only parts provided by the manufacturer.
- Make sure the item is intact and that there are no missing parts.
- All images are for illustrative purposes only.

PRODUCT OVERVIEW

Front



Back


Dimming Knob
Color temperature knob (SP-E-500IIB Only)
NP-F battery mount(2)
Power button
DC input
1/4-20 sockets (2)
Cold shoe stacking mounts (4)
SP-E-500IIB
SpectroLED
Essential 500 II Bi-Color

CONTENTS INCLUDE

- Light Panel
- Yoke
- AC to DC adapter
- AC power cord
- Diffuser
- Stacking clips (×2)



KEY FEATURES

- Portable, lightweight LED light
- Dimming from 100% to 0%
- Daylight version produces 5600 K light
- Bi-color version has adjustable color temperature from 3200 to 5600 K
- AC/DC power
- Optional Sony NP-F battery power
- Yoke and 1/4-20 mounting options
- Ability to stack up to three units
- Offset diffuser

MOUNTING THE SPECTROLED ESSENTIAL LIGHTS

The SpectroLED Essential LED lights come with a preinstalled yoke, allowing you to easily balance and adjust the tilt of the light. The yoke can be mounted horizontally or vertically on a light stand, allowing the user to position the device in a way that the yoke doesn't block the light.

The yoke has a standard 5/8-inch mount to fit most light stands. Additionally, there are 1/4-20 sockets on the top and bottom of the lights, allowing for fully customizable light mounting.

Horizontally mounted



Vertically mounted



MOUNTING THE SPECTROLED ESSENTIAL LIGHTS (CONTINUED)

To remove the yoke, unscrew the two adjustment knobs from the sides.

The Essential-series LED lights are also equipped with stacking mounts, allowing you to connect up to three units to create a vast array of additional lighting options. To stack your units, slide the stacking clips into the stacking mounts on one of the devices. Then slide the second light to the first unit's stacking clips. Make sure it locks in place. Repeat these steps to mount a third light.

Important! Do not stack more than three units at one time.



POWERING THE LIGHTS

The SpectroLED Essential LED lights come with an included AC/DC cable, allowing for a nearly limitless power supply from a standard electrical outlet. To power your light, plug the AC/DC adapter into a power outlet, and the other end into your device's DC input port on the back of the unit.

Additionally, the Essential-series light units can be powered with Sony NP-F batteries (sold separately), allowing you to avoid cable clutter or work in a location without electrical outlets.



ADJUSTING THE LIGHT OUTPUT

The SpectroLED Essential LED lights' output is controlled with the Dimming knob on the back of the device. Turn the knob clockwise to adjust the brightness output from 0% to 100%. Turn the knob counterclockwise to dim the light.

The bi-color version also includes a color temperature knob, allowing you to change the color temperature from daylight (5600 K) to tungsten (3200 K). Turning the knob counterclockwise will adjust the color temperature towards daylight, while turning the knob clockwise will give the lights a warmer, tungsten light color temperature.

The Essential-series LED lights come with an offset diffuser which is perfect for dispersing and softening the light output.

To install the diffuser, insert the its notches into the diffusion notches on the sides of the light panel.



SPECIFICATIONS

Light Fixture

LED Chip Type: Standard

Beam Angle: 60°

Color temperature: SP-E-500IIB: 3200 to 5600 K
SP-E-500IID: 5600 K

CRI: SP-E-500IIB: 96.2 (5600 K), 96.2 (4400 K), 95.7 (3200 K
SP-E-500IID: 96.0

TLCI: SP-E-500IIB: 95.7 (5600 K), 95.3 (4400 K), 93.3 (3200 K)
SP-E-500IID: 96.4

Cooling System: Fans on light and power adapter

Dimming: 0% to 100%

Light intensity @ 3 ft.: SP-E-500IIB: 2685 lx (5600 K), 4206 lx (4400 K), 2408 lx (3200 K)
SP-E-500IID: 4841 lx

Housing Material: ABS Plastic

Number of LEDs: 504

Expected Lamp Life: 30,000 hr.

AC Input Power: 100 to 240 V

DC Input Power: NP-F Batteries 7.2 to 7.4 V

Power Source: AC Outlet, NP-F battery (×2)

Max Power Consumption: 40 W

Mounting: Cold shoe stacking mounts(x4)
Cold foot stacking clips (x2)

Dimensions (H × W × D): 9.25 × 13.6 × 2.8 in. (23.5 × 34.5 × 7.0 cm)

Weight: Without yoke: 1.6 lb. (0.7 kg)
With yoke: 2.5 lb. (1.1 kg)

ONE-YEAR LIMITED WARRANTY

This GENARAY product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. Genaray's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at Genaray's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by Genaray. If the product has been discontinued, Genaray reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, GENARAY MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Genaray Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Genaray along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information, or to arrange service,
visit www.genaray.com or contact us at info@genaray.com.

© 2019 Genaray. All Rights Reserved.

GG1