Parts Identification

Specifications

Model	7516 LED504B
Power	30W
Brightness	3800 lux at 3' / 1m | 450 lux at 10' / 3m
Color Temperature	Adjustable 3200K - 5600K +/- 200K
LED Quantity	504 LED Bulbs
Light Source	45°Ultra bright φ5 LED
Dimmer	10%-100%
Lamp Life	50,000 hours
Remote Control	99 channels 2.4G wireless remote control
Effective Wireless Distance Range	>30 meters / 98 feet
Lithium Battery Type	NP-F570, NP-F770, NP-F970
DC Power Input	DC12-17V

[pro]master®

LED504B [Bi-Color LED Light]

SPECIALIST•SERIES

Congratulations on your purchase of the ProMaster LED504B light. It is a professional light capable of creating extremely bright illumination in your photos and videos. In fact, the Specialist LED504B is one of the brightest LED lights available in such a small, portable size. It has many advanced features including wireless remote operation, touch panel controls, battery operation, and more which are designed to give you maximum flexibility during your shooting.

Please read through this instruction manual to familiarize yourself with these features.

Charging The Battery

To use the LED504B as a portable light you need to first charge the two included lithium-ion batteries. Locate the 2 included chargers as well as the charging cords. Choose the AC cord for household charging with a 110V AC receptacle. Or choose the 12V DC charging cord for use in your car, truck, boat, or RV. Slide each battery into one of the chargers. A red light will illuminate on each charger. When charging is complete and the battery is at 100% capacity the light will turn green.

Using The Light

- **Powering Up:** To use the LED504B, mount it on the included Tilting Cold Foot (5) or any male ¼"-20 threaded grip item. Connect the LED504B to a wall outlet using the included AC Power Adapter and the DC Input Socket (2) on the back of the light. Or slide two, charged NPF-770 batteries into the Optional Battery Locations (1).
- **Brightness Control Mode:** Press and hold the Power Button (4) for approx. 1 second until the control panel lights up. Press the Up and Down Buttons (6) to adjust the brightness of the light between 10 and 99. The brightness setting is indicated by the two digits on the left side of the LED Display (3). You can hold either of these buttons to make rapid changes to the brightness.
- **Color Temperature Control Mode:** Press the Mode Button (8) briefly to enter color temperature mode. The two digits on the right side of the LED Display (3) will flash to indicate you are in this mode. Now press the Up or Down Button (6) to adjust the color temperature between 3200K and 5600K in 100K increments. The two digits on the right side of the LED Display show your chosen color temperature. You can press and hold either the Up or Down button to make rapid changes to the color temperature. Quickly press the Power Button (4) to exit this mode and return to brightness control mode.
- **Channel Select Mode:** Press and hold the Mode button (8) to enter the channel select mode. The two middle digits of the LED Display (3) will be the only digits illuminated in this mode. Use the Up and Down buttons (6) to change the channel between 1 and 99. Next set your wireless remote to the same channel for proper communication. Quickly press the Power Button (4) to exit this mode and return to brightness control mode. See the separate instruction manual for the remote control for more information.
- **Full power mode:** The LED504B offers a unique full power mode. Most Bi-Color lights have a light output of only half the power of a similar daylight balanced light. This is because half of the LEDs are devoted to warm light and half to cool light. To activate full power mode, with the unit already turned on, press the Power Button (4) twice quickly. The color temperature portion of the LED Display (3) will change to the number 44 and the light will fully illuminate all LEDs to maximum brightness. To exit this mode, press the Power Button (4) twice quickly. The light will return to its previous power and color temperature settings. In full power mode the LED504B's color temp. will be approximately 4400K. Be sure to properly set your camera's white balance to achieve correct color when using this mode.
- **Powering down:** When you are finished using the LED504B and want to turn it off, simply press and hold the Power Button (4) for approx. 1 second.
- **Note:** When the LED504B's settings remain unchanged for 15 seconds or more the controls will go to sleep and the lights behind the touch buttons will go out. Press any of the buttons briefly to reactivate the controls. You will see them re-light to indicate the control panel is once again active.
- **Using the diffusion panel:** The LED504B includes a frosted diffusion and an ultra soft diffusion panel to soften the light output to your liking without adversely affecting the color temperature. The Ultra soft diffusion panel is the more opaque panel. It does an excellent job of removing specular highlights, especially while feathering light with the barn doors. It also reduces the LED504's light output by the greatest amount. Notice the channels on the front housing of the light (left and right sides) Simply slide the diffusion panel into and out of these channels from above. It will stop in the proper position once you have slid it in far enough.
- **Using the barn doors:** Barn doors allow you to control the light from the LED504B by feathering the edge of the light. The barn doors also offer protection for the LED lights during transport and storage when they are in a closed position. To install or remove the barn doors attach or detach the knurled screws (by turning them) from the metal sockets on the front housing the light. Be sure the plastic spacers are always kept on the knurled screws to ensure proper spacing from the light. The barn doors are one assembly, which can be installed or removed as one unit. Do not attempt to further disassemble or break down the barn doors.
- **The battery indicator:** When operating the light using battery power rather than AC power, you can watch the Battery Indicator (7) to estimate how much power you have remaining. This battery level gauge will slowly show fewer lights from top to bottom as your batteries loose power. When powering the LED504 via AC adapter simply ignore the Battery Indicator (7).

In The Box

LED504B Bi-Color LED panel

AC power adapter

Tilting cold foot

Light stand adapter mount

2 NPF770 type batteries with 2 chargers,

AC cords, and DC cords

Wireless remote control with AAA batteries

Removable barn doors

Frosted diffusion panel

Ultra soft diffusion panel

Manual

Safety Precautions

1. Please keep the LED504 away from moisture and liquids.
2. Do not touch with wet hands.
3. Avoid contact with solvents, gasoline, grease, oil, paint, and detergents.
4. Disconnect from power when not in use.
5. Do not open the housing or attempt to repair the unit yourself.
6. Do not operate near flammable liquids.
7. Use only the included AC adapter for power via AC outlet.
8. Please keep the light out of reach from children.
9. It is normal for the light, AC transformer, and batteries to become warm during extended use.

One Year Unconditional Warranty

If for any reason, this ProMaster product fails within ONE YEAR of the date of purchase, return this product to your ProMaster dealer and it will be exchanged for you at no charge. ProMaster products are guaranteed for ONE FULL YEAR against defects in workmanship and materials. If, at any time after one year, your ProMaster product fails under normal use, we invite you to return it to ProMaster for evaluation.

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