

CAMTREE

2 PC 1000 BI LED-LIGHTING KIT FOR STUDIO AND LOCATION ILLUMINATION

SET UP AND OPERATION MANUAL



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IT IS IMPORTANT THAT YOU READ AND UNDERSTAND THIS GUIDE BEFORE ATTEMPTING TO ASSEMBLE OR USE YOUR NEW CAMTREE 1000 BI LED LIGHTING KIT. SHOULD YOU NEED ADDITIONAL INFORMATION, TECHNICAL ASSISTANCE IS AVAILABLE 'ON LINE' BY CONTACTING YOUR SALES REPRESENTATIVE.

INTRODUCTION

The technological advances made in image capture in the last few years are truly amazing especially when you consider that stills photography, as we know it, was developed in 1839. Today's modern DSLR's and mirror less cameras have advanced image capture far beyond the capability of the 1990 introduction of a commercially available digital camera.

What has not changed in the evolution of image capture is the requirement for illumination of the subject. Like modern digital cameras, lighting equipment has evolved into highly efficient, lightweight, flexible and portable genre of illumination. Our **CAMTREE 1000 BI LED LIGHT** is a perfect example of that evolution.

WHAT'S IN THE BOX

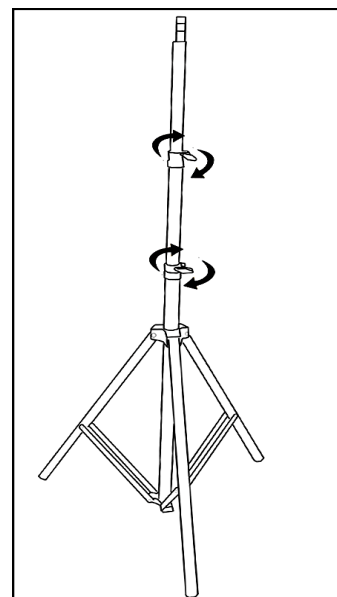
Please inspect the contents of your shipped package to ensure you have received all that is pictured and listed below. The gray foam shipping /storage container has been especially designed to protect your purchase while in transit and is a good place to keep your **CAMTREE 1000 BI LED LIGHTING KIT** when not in use.

- 2 x LED 1000 BI Lights with Barn Doors
- Built in Battery V-Mount
- 2 x Light weight Stands
- 2 x 2pcs Gel/Filters Set
- 2 x AC Adapters
- 2 x Universal Adapter
- 3 x shipping/storage bags
- This assembly manual



CAMTREE 1000 BI LED LIGHT SET UP USING THE FOLLOWING DESCRIPTIONS AND PICTURES AS A GUIDE

- Remove the collapsed stand from the carry bag, open the spreaders and lock the spreader legs in position with the built in control knob. The base extension of the spreader can be adjusted to accommodate a number of different positions by sliding the spreader legs up or down the riser stalk and then locking it with the control knob.
- The riser stands can be adjusted to a maximum height of 8'8". In preparation for mounting the head unit, it is advisable to lock off the bottom riser at its lowest point of travel, extend the upper riser a foot and lock it off as well. This configuration allows the head unit to be easily placed on the top riser.



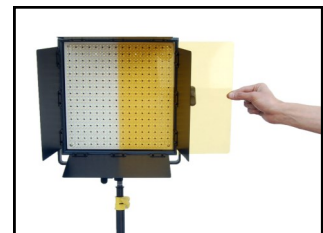
NOTE

To prevent accidental tip over when using upper limit riser extension, it is recommended that a sand bag be placed on one of the sliders of the tripod legs.

The added stability is an important safety feature.

 **Caution : AVOID direct sight into the Flashlight**

- Remove the head from its container and mount it on to the 3/8" standard spigot located on the top of the riser unit. Tighten the lock knob to secure the head to the stand.
- You will note that on the yoke that holds the fixture head to the riser spigot has a control knob that is used to adjust the desired angle of the light. Loosen the knob to make the adjustment and then re-tighten to lock the angle in place.
- Open the 4 barn doors on the light prior to powering up the fixture. The Barn Doors are easily adjustable for effective light control.
- Repeat these first three steps to mount the second light fixture to its stand.
- 2 types of gel filters are provided for each light and are easily inserted with the provided gel holders as shown. The use of gels provides the operator an artistic lighting environment for creative control.

**NOTE**

Unless using a ladder, this procedure may have to be adjusted a number of times as the head is raised or lowered on the stand. At a maximum riser extension of 8'8" a ladder is an easy way to make this adjustment and especially so for barn door placement and dimmer control.

- Connect the power source to the head but do not power up as yet. Determining power cord runs from the light to available power should be done prior to powering on.
- As standard, we provide a 'V'-mount battery plate.



- Insert D-tap cable into D-tap connector and also insert 4 pin XLR cable into 4 pin XLR connector.



- Power up the system, adjust the stand for desired height, use the barn doors to eliminate extraneous light from the lens, adjust intensity by use of the dimmer control, check exposure and camera functions and you should be good to go.

OPERATION AND GENERAL INFORMATION

DIMMER CONTROL

The Cool-Lux AC Photo Dimmer allows you to vary the brightness of the lamp from off to fully on brightness. Decreasing the brightness/intensity of the fixture increases lamp life with minimal change in color temperature. A handy reference-scale on the Photo Dimmer shows the variations in lamp life and color temperature for different intensity settings.

MYTHS ABOUT 'LOW LUX'

With today's fast lenses and sensitive cameras, you can easily record images of most indoor subjects using only ambient (existing) light. But, you also will notice that these images lack a depth of quality with skin tones being poorly depicted. Existing light seldom comes from a source facing the subject and there by produces unwanted shadows that can distort your image capture. The major flaw is that existing light almost never is the correct color temperature for accurately recording skin tones. Low-light sensitivity of a video camera is determined by lens speed and the sensitivity of the tube or CCD that captures the image. Current practice is to rate cameras in terms of the lowest light level, measured in "Lux" for which the camera can record images.

Today's most sensitive video camera scan record in light-levels of 7 to 10 Lux, using lenses with f/1.4 or faster apertures. Video cameras must be adjusted for the color temperature of the light source (day light or tungsten) and for "white balance". Some cameras automatically make one or both of these adjustments, while others require manual adjustment. To record images at low-light levels, "Low-Lux" cameras operate with the lens' automatic diaphragm wide open, reducing depth-of-field to almost nothing.

Wide-open lens settings provide very little contrast, and the white balance adjustments on the camera may not be able to provide a true white balance rendition. Also, the cameras electronic circuitry will not be operating in the most efficient part of its range.

All in-all, pushing any low-lux video camera to its limits results in unappealing images that are in variably soft in focus and "off" color. By merely adding fill light from the camera position, the same subjects are immediately enhanced with more pleasing lighting on faces and far better rendition of skin tones. Also improved are depth of focus, contrast, and three-dimensionality of the subject.

Professional videographers and photographers know the value of proper lighting to achieve top quality images. It is no secret that proper and creative light sources produce far better pictures.

SAFETY PRECAUTIONS

- Read and understand all instructions before using any item in the kit.
- Do not let children play with the lights or battery.
- Never leave lights 'on' unattended.
- Never operate the lights or battery charger with a frayed power cord.
- Use only heavy-duty extension cords similar to those supplied. Smaller-gauge cords could over heat (and also waste more power).
- When using the lights on house hold AC current, position the connecting extension cords so the lights or stands will not be pulled over.
- Do not place lights near any flammable materials (such as curtains), or close to any material likely to be damaged by heat.
- Always unplug cords from the electrical outlets and allow lights to cool prior to cleaning or servicing lights. Always remove cords by grasping the plug—not the cord.
- Lights become hot in use. Do not touch them until they have been off and allowed to cool for several minutes.
- If any liquids are spilled on a light, first unplug the power. When the light cools, dry the wet areas with an absorbent cloth or use a hair dryer to remove moist.

CAMTREE LED KIT SPECIFICATIONS

GEL FILTERS AND COLOUR TEMPERATURE

Specifications			Without Filter	White Filter	Orange Filter
Mode A	500 LED's	White	5600 Kelvin	5400 Kelvin	3200 Kelvin
Mode B	500 LED's	Tungsten	3200 Kelvin	3000 Kelvin	2600 Kelvin

LUX SPECIFICATIONS

WHITE LEDs	ORANGE LEDs	BI-COLOR LEDs
2 Feet - 3070 LUX	2 Feet - 2550 LUX	2 Feet - 4842 LUX
3 Feet - 1570 LUX	3 Feet - 1315 LUX	3 Feet - 2582 LUX
4 Feet - 1030 LUX	4 Feet - 950 LUX	4 Feet - 1914 LUX

SPECIFICATIONS

Thickness	5mm
Operating Temperature	- 20° C - +80° C
Power	15v DC input
Size of light	39x39cm
Weight	5 lbs. (2.29 Kg)
Volumetric	6.5kg Box
Size	L 47 x W 43 x H 15 cms
Weight of light stands	1.6kg each
AC Adaptor	100-240V
Stand	2 stage riser sections extend to 8'8"

WARRANTY

We offer a limited time warranty for our products. For Mechanical products we provide a 6 month warranty & for electronic products we provide a 3 month warranty from the date of purchase.

We will repair or replace your product, free of charge, in the event of a defect in materials or craftsmanship obtained during normal use or handling based on the user manual. Please note that we will not cover any shipping costs for returning the product to us. If any VAT or import duties are applied to the return, we will also charge these costs to the customer.

The warranty does not include, by the way of example, damage caused by products that we do not supply or from mishandling in transit, accident, misuse, neglect, lack of care of the product, or service by anyone other than our company.

We are not liable for incidental or consequential damages resulting from the use of the unit or occurring due to any breach of this warranty.

Replacement parts of the product will be provided at nominal cost (covering the cost price of the replacement parts only) to the customers after the Warranty Period has expired. We will cover the complete cost of sending replacement parts within the warranty period. After that, Nominal cost of the product & Actual shipping cost will be charged.

Do not send the unit to us without first getting a response and getting the approval to send back the item.

In case of any kind of dissatisfaction, we urge you to [Contact us](#) immediately and we shall do our best to help you out.

For any other assistance you can reach us via email.