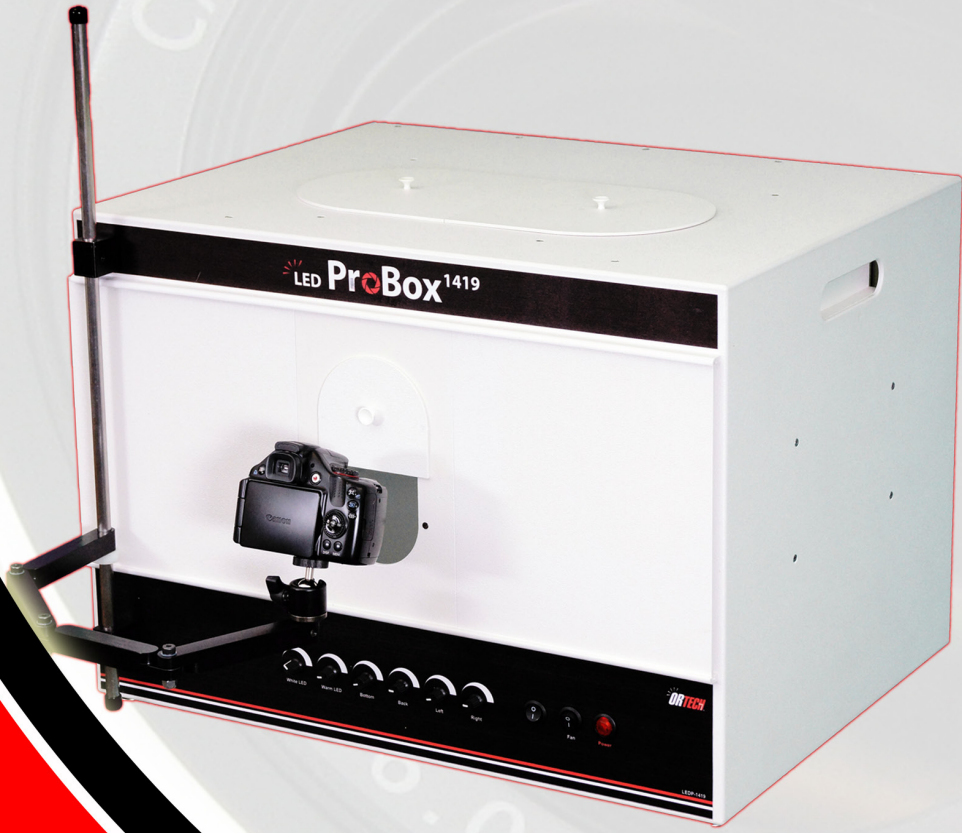
LED ProBox 1419

Product Manual



ORTECH™
Professional Lighting

Table of Contents

ORTECH™
Professional Lighting

LED ProBox 1419

Lighting System Manual

Please make sure the system arrives in perfect condition and all parts are included. Contact us immediately if there is any damage or if you are missing any parts.

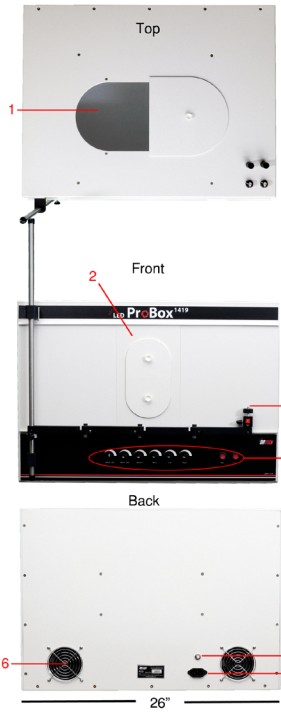
Introduction

Thank you for choosing the OR Tech LED ProBox 1419 professional lighting system. This technically advanced electronic lighting system contains three different light sources to correctly illuminate any type of product you are interested in photographing. The three types of lights are filtered LED panels , warm LED light and white high power LED.

The LED panels light (6500º Kelvin) may be used to photograph nearly any product that you wish to photograph, by providing you with flicker-free daylight illumination. The warm LED lights are intended to be used when you photograph jewelry that contains precious and colored stones such as amethysts, rubies and any other stones that are red, orange, or purple in color. The white high power LED lights, may be used in conjunction with filtered LED panels light and will give "sparkle" to any jewelry piece.

Product Design

Lighting:
- Dimmable LED Panels: Natural daylight flicker-free continuous lighting source (6500K).
- Warm: Flicker-free continuous lighting (3200K) specially for gems.
- Dimmable LED: White natural day light LED lighting (5800K).



Lighting Panels:
- Dimmable LED Panels: Left, Right, Back and Bottom.
- Warm LED: Top.
- LED: 9 feet of LED In-counter lighting
- Weight: 45 lbs.
- Linkage Bracket (4 links).
- CE Certified.
- Built to ISO Standards.

1. Top opening
2. Front opening
3. Handles
4. Linkage bracket
5. LED Dimmers
   Fan Switch
   Power Switch

6. Fan
7. Circuit breaker
8. AC power
   connector outlet

Benefits and Features

- Natural lighting for proper product display
- Easy to setup and continuously capture product images
- Clean white background (or add your own background)
- Shadow-free wrap-around lighting eliminates the need for digital cleanup
- Show the true color, clarity and cut of your diamonds by showing the brilliance, scintillation and refraction of your diamonds using white high power LED light.
- Warm LED lighting for clear and natural gem stone colors
- Increase sales with sharp quality product images
- Tremendous savings and fast turn-around time by producing images in-house rather than outsourcing to a graphic design company or professional photographer

Product Applications

The LED ProBox simplifies many product imaging applications, by allowing you to create high-quality professional photographs in minutes. Here are just a few examples of how you can use your photos:

- **Product Sales (Print)** – Advertising, brochures, catalogs, flyers, postcards
- **Product Sales (Internet)** – Auctions, banner advertising, e-commerce, email attachments, online product catalogs, online Stores, etc.
- **Website Design** – Company Image, Product Line
- **Inventory Management** – Appraisals, insurance protection, inventory tracking, etc.

Lighting System Setup

1. **Connect the LED ProBox -** Connect the power cable to the LED ProBox and then to a 110V or 220v electricity outlet. *Note: Read the warning message on page 3 for details*
2. **Turn on the LED ProBox** - Flip the power switch at the front of box
3. **Turn on the various lights and Features**
   - **LED Panel:** Select the light you want (Left, Right, Back or Platform) use the dimmer to increase or decrease the light intensity.
   - **Warm LED lights:** Use the dimmer at the front (clockwise for more light or counterclockwise to reduce it).
   - **White high power LED lighting:** Use the dimmer at the front (clockwise for more light or counterclockwise to reduce it).
   - **Goosenecks at the Top (Optional):** Use the dimmers at the top next to each gooseneck to increase or decrease light intensity.
   - **Cooling Fan (On/Off):** Use the cooling fan switch to turn on or off.

Camera Bracket Assembly

Our Linkage Bracket is designed for attaching most digital cameras to the lighting system. This gives your camera a straight top-to-bottom view of the items being photographed, and the reliability to change camera lenses and to position the camera in endless ways.

Note: *Carefully read the following information, as failure to do so may cause improper use of the bracket and cause damage to your camera and equipment.*

Positioning the camera bracket

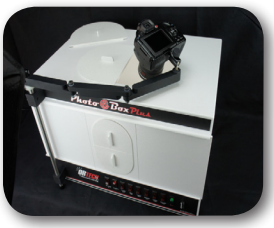
Photo A

1. The bracket comes pre-assembled. In order to get started, you must attach your bracket to the lighting system and then to the ball head at the end of the bracket (*photo A).*

2. To attach the camera, you must find the tripod socket opening located at the bottom of the camera. Then, you must align the knob of the ball head to the tripod opening and put the screw of the knob inside your camera. Tighten the screw in a clockwise manner in order to stabilize your camera.

   Note: *Make sure that your camera is correctly and tightly screwed to the ball head so it does not fall off while you move the bracket.*

Photo B



3. Once your camera is secured, you can begin to move your camera to look for the preferred angle and position for your photographs.

4. The Linkage bracket can be moved at the top if you wish to take pictures from the top opening (photo B).

For an SLR camera with a macro lens, it is recommended that the lens is positioned at about an inch away from the opening of the box.

For point-and-shoot cameras with a close-up lens, it is recommended that the lens is positioned at about three inches from the opening of the box

For more tips on positioning the camera and how to use the new Linkage bracket, please visit the support page on our website at www.or-tech.com/support

Cleaning

The outside and inside of our lighting systems are made of thermoplastic. Simply use a damp cloth to clean it, or use a plastic cleaner if needed. For difficult marks, use odorless mineral spirits.

LED Panel Replacement

All electronics and LED panels used in your lighting system are made of the best quality. But eventually you may need to replace an old burnt-out LED panel. Use the following steps to replace it:

a) Disconnect the power supply cable from the wall or remove it from the back of the unit
b) Remove the back panel and slide out the lamp house
c) Remove the burnt-out LED panel, using caution, by snapping it out from the retainers and unplug the connector, replace the burnt-out LED panel (check the support page for specific part number)

Note: *Gently pull out the wire connector. Make sure when you remove the wire to remember the original position. Replace the LED panel and reconnect the wires in their original position.*

Be very careful when connecting the power: *We suggest you test the unit before reinstalling the panels to ensure that your lights are working properly. Connect the power supply cable to the A/C outlet. Test the panels. Remove the power cable from the unit, close the panel and reinstall all the screws (make sure you do not over tighten the screws).*

Important Note: *Although all the light panels used in our system are 100% safe, some people may experience some eye fatigue or eye stress due to a very long exposure period of time working with our systems without any rest. We recommend to rest your eyes every couple of hours and do not over expose your eyes to bright lights. This, as with any other high-brightness light source, needs to be used with basic precaution.*

ONE YEAR WARRANTY

Defective components will be replaced during the 12 month warranty period. No charge will be made for labor costs during this period. Proof of purchase must be provided to verify the warranty status. Shipping is not included

Specifications

Lighting	**LED Panels:** 6500º Kelvin (flicker-free continuos lighting) **Warm LED Light:** 3200º **White High Power LED Lighting:** 5800º Kelvin (Dimmable)
Lighting Panels	**LED Panels:** Left, Right, and Bottom (4 LED Panels) **Warm LED Light:** 2 LED strips on top (42 LEDs) **White High Power LED Light:** 4 LED strips on top (64 LEDs)
Power Controls (Right to Left)	**2 Switches: (**1) On/Off, (2) Fan (On/Off), (3 to 6) Right,Left, Back and Bottom dimmer for LED panels, (7) Warm LED dimmer, (8) White LED dimmer. Total of two switches and six dimmers on the front, Two dimmers for gooseneck on the top (Optional)
Size (exterior)	26 L x 21 Wx 18 H (in); 66 L x 53 W x 45 H (cm)
Size (interior)	19.75 L - 14 ½ W - 13 H (in); 50 L - 37 W - 33 H (cm)
Weight	45 Lbs.
Camera Openings	Top and Front
Tripod accessible	Yes
CE Certification	Yes
Built to ISO Standards	Yes
Power Input	110 to 220 Volts 50/60 Hz.

ORTECH™
Professional Lighting

Product Photography Lighting Systems

www.or-tech.com | info@or-tech.com
Tel: (619) 661-0628| Toll Free: (800) 258-6230
861 Harold Place Suite 209,
Chula Vista, California 91914