



**LED BP Tubes** 

**User Guide** 

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### DOCUMENT VERSION

An updated version of this document may be available online.

Please check www.eliminatorlighting.com for the latest revision/update of this document before beginning installation and use.

Date	Document Version	Notes
11/01/2019	1	Initial release.

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GENERAL INFORMATION

INTRODUCTION

Please read and understand all instructions in this manual carefully and thoroughly before attempting

to operate this product. These instructions contain important safety and use information.

**UNPACKING:** This product has been thoroughly tested and has been shipped in perfect condition.

Carefully check the shipping carton for damage that may have occurred during shipping. If the carton

appears to be damaged, carefully inspect your product for damage and be sure all accessories

necessary to assemble the product have arrived intact. In the event damage has been found or parts

are missing, please contact our customer support team for further instructions.

Please do not return this product to your dealer without first contacting customer support at the

number listed below. Please do not discard the shipping carton in the trash. Please recycle whenever

possible.

**CUSTOMER SUPPORT** 

Tel: (323) 213-4592 | Fax: 888-287-5224 | www.eliminatorlighting.com | support@eliminatorlighting.com

WARRANTY RETURNS

All returned service items whether under warranty or not, must be freight pre-paid and accompany a

return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return

package. A brief description of the problem as well as the R.A. number must also be written down on

a piece of paper and included in the shipping container. If the unit is under warranty, you must provide

a copy of your proof of purchase invoice. Items returned without an R.A. number clearly marked on

the outside of the package will be refused and returned at customer's expense. You may obtain an

R.A. number by contacting customer support.

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# **ELIMINATOR LIMITED WARRANTY (USA ONLY)**

- A. Eliminator Lighting, an ADJ Products, LLC brand, hereby warrants, to the original purchaser, ADJ Products, LLC products to be free of manufacturing defects in material and workmanship for a prescribed period from the date of purchase (see specific warranty period listed below). This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.
- B. For warranty service you must obtain a Return Authorization number (RA#) before sending back the product, please contact ADJ Products, LLC Service Department at 800-322-6337. Send the product only to the ADJ Products, LLC factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, ADJ Products, LLC will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall have no liability whatsoever for loss of or damage to any such accessories, or for the safe return thereof.
- C. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which ADJ Products, LLC concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the ADJ Products, LLC factory unless prior written authorization was issued to purchaser by ADJ Products, LLC; if the product is damaged because not properly maintained as set forth in the instruction manual.
- D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check-up. During the period specified above, ADJ Products, LLC will replace defective parts at its expense with new or refurbished parts, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of ADJ Products, LLC under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of ADJ Products, LLC. All products covered by this warranty were manufactured after August 15, 2012, and bear identifying marks to that effect.
- E. ADJ Products, LLC reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by ADJ Products, LLC in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and/or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall ADJ Products, LLC be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

This warranty is the only written warranty applicable to Eliminator Lighting, an ADJ Products, LLC brand, and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

#### **MANUFACTURER'S LIMITED WARRANTY PERIODS:**

**All Eliminator Lighting products (except laser diodes) = 1-year (365 days)** Limited Warranty (Such as: Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands etc., excluding lamps)

Laser Products = 1 Year (365 Days) Limited Warranty (excluding laser diodes which have a 6 month limited warranty)

Batteries = 180 Day Limited Warranty

To register your Eliminator Lighting product online, please click here to the ADJ Warranty Registration Page: <a href="https://www.adj.com/portal/user/register/">https://www.adj.com/portal/user/register/</a>

### SAFETY GUIDELINES

To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. **ELIMINATOR LIGHTING** is not responsible for injury and/or damages resulting from the misuse of these devices due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should perform installation of these devices and only the original rigging parts included with these devices should be used for installation. Any modifications to these devices and/or the included mounting hardware will void the original manufacturer's warranty and increase the risk of damage and/or personal injury.



THERE ARE NO USER SERVICEABLE PARTS INSIDE THESE DEVICES. DO NOT ATTEMPT ANY REPAIRS YOURSELF; DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THESE DEVICES AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.



KEEP FLAMMABLE MATERIALS AWAY FROM THESE DEVICES! UNPLUG DURING LONG PERIODS OF NON-USE. DO NOT SET UP ON SOFT OR UNEVEN SURFACES.



INDOOR / DRY LOCATIONS USE ONLY!
DO NOT EXPOSE DEVICES TO RAIN AND/OR MOISTURE!



# SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK!

**ONLY** use the original packaging and materials to transport for service.

Power cords should be safely routed and securely so they are not likely to get pinched.

Only use included recommended rigging hardware as described in this guide.

## BATTERY PRECAUTIONS

#### **USE**

DO NOT EXPOSE PRODUCT TO EXTREME HOT OR COLD TEMPERATURES.

DO NOT EXPOSE PRODUCT TO WATER OR WET ENVIRONMENTS.

KEEP FLAMMABLE MATERIALS AND/OR FIRE AWAY FROM THE PRODUCT.

DO NOT OPEN AND/OR DISASSEMBLE THE PRODUCT.

DO NOT USE THE PRODUCT IF IT IS DAMAGED.

TRANSPORT PRODUCT ACCORDING TO ALL APPLICABLE LAWS AND REGULATIONS.

DO NOT DROP, IMPACT, HIT, OR BEND PRODUCT. DOING SO MAY CAUSE FAILURE AND/OR SHORTEN LIFE OF BATTERY. NOTHING SHOULD LEAK FROM THE BATTERY AND/OR PRODUCT. SHOULD THE BATTERY ELECTROLYTE GEL LEAK FROM THE BATTERY AND COME INTO CONTACT WITH SKIN OR EYES, FLUSH THE AREA OF CONTACT IMMEDIATELY WITH FRESH WATER AND SEEK MEDICAL ATTENTION IMMEDIATELY.

#### **CHARGING**

DO NOT PLUG POWER CABLE/CHARGER INTO A DIMMER PACK.

DO NOT MOVE PRODUCT WHILE CHARGING.

DO NOT LEAVE PRODUCT UNATTENDED WHILE CHARGING.

DO NOT EXPOSE PRODUCT TO RAIN AND/OR MOISTURE. INDOOR / DRY USE ONLY.

DO NOT CHARGE PRODUCT IF THE FIXTURE HAS BEEN DROPPED AND/OR DAMAGED.

DO NOT CHARGE PRODUCT FOR MORE THAN 5 HOURS.

CHECK THE CHARGER POWER AND STATUS LED INDICATORS ROUTINELY.

UNPLUG THE POWER CABLE/CHARGER FROM THE PRODUCT BEFORE HANDLING.

#### STORAGE

STORE PRODUCT AT ROOM TEMPERATURE, IN A DRY ENVIRONMENT, AND AWAY FROM DIRECT SUNLIGHT.

DO NOT STORE PRODUCT WHEN BATTERY IS FULLY DRAINED.

STORE THE PRODUCT WITH THE BATTERY CHARGED TO AT LEAST 50%.

TO PROLONG THE LIFE OF THE BATTERY, CHARGE IT EVERY 4-6 MONTHS DURING EXTENDED PERIODS OF NONE USE.

#### **DISPOSAL**

DO NOT INCINERATE OR DISPOSE OF PRODUCT AND/OR BATTERIES IN A FIRE, DOING SO CAN CAUSE AN EXPLOSION.

DISPOSE OF THE PRODUCT AND/OR BATTERY ACCORDING TO ALL APPLICABLE LAWS AND REGULATIONS.

## MAINTENANCE GUIDELINES



# DISCONNECT POWER BEFORE PERFORMING ANY CLEANING OR MAINTENANCE!

Regular inspections are recommended to ensure proper function and extended life. There are no user serviceable parts inside these devices; please refer all other service issues to Eliminator Lighting. Should you need any spare parts, please order genuine parts from Eliminator Lighting.

Please refer to the following points during routine inspections:

- A detailed review should be performed by an approved electrical engineer every three months,
   to make sure the circuit contacts are in good condition and prevent overheating.
- Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation resulting in damage or injury as larger parts could fall.
- Check for any deformations on the unit. Deformations could allow for dust to enter into the devices, or cause the devices to fall and seriously injure a person(s).
- Electric power supply cables must not show any damage, material fatigue or sediments.

# OVERVIEW

Thumb Screws (x4)

## **Included items:**



Power Cable / Charger (x4)

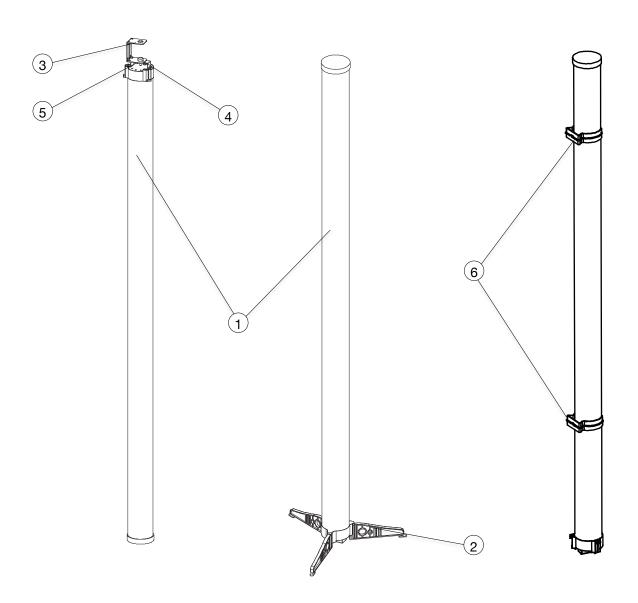
Mounting Clips (x8)

# OVERVIEW

**Vertical Hanging Set Up** 

Free-Standing Set Up

**Surface Mounted Set Up** 



- 1. LED BP Tube
- 2. Support Feet
- 3. Mounting Bracket

- 4. Thumb Screw
- 5. Power Button
- 6. Mounting Clips



DO NOT INSTALL THE DEVICES IF YOU ARE NOT QUALIFIED TO DO SO! DO NOT SET UP ON UNSTABLE OR UNEVEN SURFACES!

DO NOT CONNECT POWER UNTIL INSTALLATION IS COMPLETED!



### FLAMMABLE MATERIAL WARNING

Keep devices minimum 5.0 feet (1.5m) away from flammable materials and/or pyrotechnics.



## **ELECTRICAL CONNECTIONS**

A qualified electrician should be used for all electrical connections and/or installations.

OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE, INCLUDING AMONGST OTHERS CALCULATING WORKING LOAD LIMITS, INSTALLATION MATERIAL BEING USED, AND PERIODIC SAFETY INSPECTION OF ALL INSTALLATION MATERIAL.

IF YOU LACK THESE QUALIFICATIONS, DO NOT ATTEMPT THE INSTALLATION YOURSELF. IMPROPER INSTALLATION CAN RESULT IN BODILY INJURY.

BEFORE RIGGING/MOUNTING DEVICES TO ANY METAL TRUSS/STRUCTURE OR CEILING, A PROFESSIONAL EQUIPMENT INSTALLER MUST BE CONSULTED TO DETERMINE IF THE METAL TRUSS/STRUCTURE OR CEILING IS PROPERLY CERTIFIED TO SAFELY HOLD THE COMBINED WEIGHT OF THE LIGHT FIXTURE, CLAMPS, CABLES, AND ACCESSORIES.

BEFORE MOUNTING DEVICES TO ANY SURFACE OR STRUCTURE, MAKE SURE THE SURFACE OR STRUCTURE CAN HOLD A MINIMUM POINT LOAD OF 10 TIMES THE WEIGHT OF THE DEVICES.

MAKE SURE SCREWS AND/OR ANCHOR BOLTS (NOT INCLUDED) FIT INTO MOUNTING HOLES! FOR ADDED PROTECTION, PLACE IN AREAS OUTSIDE WALKING PATHS, SEATING AREAS, OR AREAS WHERE UNAUTHORIZED PERSONNEL CAN REACH THE DEVICE.

SECURE FIXTURE WITH A SECONDARY SAFETY ATTACHMENT, SUCH AS AN APPROPRIATE SAFETY CABLE. (NOT INCLUDED)

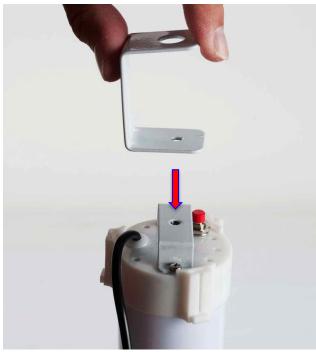
NEVER STAND DIRECTLY BELOW THE DEVICES WHEN MOUNTING, REMOVING OR SERVICING. DEVICES MUST ALL BE INSTALLED FOLLOWING ALL LOCAL, NATIONAL, AND COUNTRY COMMERCIAL ELECTRICAL AND CONSTRUCTION CODES AND REGULATIONS.

## **VERTICAL HANGING SET UP**





1. Find and remove the thumb screw located on the end of the LED BP tube.





2. Align the small hole on the mounting bracket with the thumb screw hole on the LED BP tube. Re-install the thumb screw and tighten to secure the mounting bracket in place.





3. Use the large hole on the mounting bracket to affix the LED BP tube to your desired mounting point. Make sure that the mounting hardware (not included) is capable of supporting a minimum point load equal to 10 times the weight of this device. Secure the LED BP tube with safety cable (not included) rated to support at least 12 times the weight of the unit.

#### NOTE: THE LED BP TUBE MUST BE ORIENTED VERTICALLY IN THIS SET UP.





4. **AC POWER OPERATION:** Connect the power supply to the cable lead on the LED BP tube. Plug the power supply into an electrical outlet and press the red button on the end of the LED BP tube to switch the device ON.

**BATTERY POWER OPERATION:** Simply press the red button to switch the device ON.

### FREE-STANDING SET UP







1. Remove the thumb screw. Install the (3) support feet by sliding the support feet into the slots at the base of the LED BP tube. Each LED BP tube requires three support feet.

NOTE: THE THUMB SCREW MUST BE REMOVED IN THIS SET UP.





2. **AC POWER OPERATION:** Connect the power supply to the cable lead on the LED BP tube. Plug the power supply into an electrical outlet and press the red button on the end of the LED BP tube to switch the device ON.

**BATTERY POWER OPERATION:** Simply press the red button to switch the device ON.

### SURFACE MOUNT SET UP



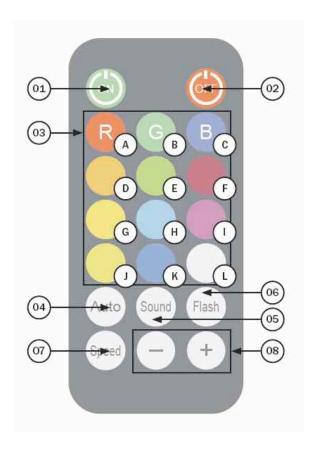
Each LED BP tube requires two mounting clips. It is advisable to first install the mounting clips at the desired mounting point using appropriate hardware (not included), then attach the LED BP tube to the mounting clips.

**AC POWER OPERATION:** Connect the power supply to the cable lead on the LED BP tube. Plug the power supply into an electrical outlet and press the red button on the end of the LED BP tube to switch the device ON.

**BATTERY POWER OPERATION:** Simply press the red button to switch the device ON.

NOTE: Removal of mounting bracket and thumb screw is suggested.

# IR REMOTE FUNCTIONS



Remote Button Position	Function		
1	LED Tube ON		
2	LED Tube OFF		
3	Color Selection A. Red B. Green C. Blue D. Orange E. Lime Green F. Pink	G. Amber H. Cyan I. Magenta J. Yellow K. Purple L. White	
4	Auto Mode		
5	Sound Mode		
6	Flash Mode		
7	Speed Adjustment		
8	Multi-Function +/- Buttons		

## IR REMOTE FUNCTIONS

**LED Tube On/Off:** Switches the LED light tube on and off. Please note that the LED light tube must be activated using the red button on the end of the tube in order for the on and off buttons on the remote to work.

**Color Selection Mode:** Sets a single static display color for the LED light tube. Available options are listed in the table on page 16.

**Auto Mode:** This mode runs the unit through a series of built-in programs. The speed at which the unit cycles through the programs can be adjust by pressing the **SPEED** button, then pressing the **+** button to increase speed or the **–** button to decrease speed. Available programs include:

- Two Color Fade: two color combination display with a gradual display color shift.
- Rising/Falling Strobe: single color strobe that travels from end to end of the tube.
- Single Color Jump: single color display with a sharp change in display color.
- Rainbow Color Jump: multi color display with a sharp change in display color.
- Single Color Fade: single color display with a gradual display color shift.
- Two Color Jump: two color combination display with a sharp change in display color.
- Rising/Falling Change: color change progresses along the length of the tube.
- Single Color Pulse: single color display with a pulse change in display color.
- Rainbow Color March: multi color display with colors moving from end to end of the tube.
- Candy Cane Jump: two color stripe pattern with a sharp change in display color.

**Sound Mode:** In this mode, the unit will react to sound, with a series of built-in sound programs that can be selected using the + and – buttons. Available programs include:

- Single Color Jump
- Rainbow Color Jump
- Rising/Falling Multi-Color
- Two Color Jump
- Rising/Falling Change

- Candy Cane Jump
- Single Color Pulse
- Rainbow Color March
- Rising/Falling Strobe
- Cycle Thru All Modes

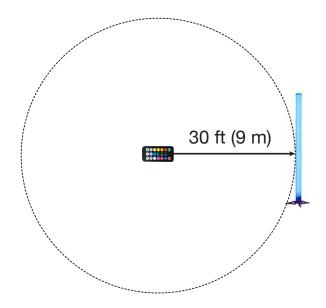
## IR REMOTE FUNCTIONS

**Flash Mode:** In this mode, the unit will strobe a single solid color. The color can be changed on the fly by using the **COLOR SELECTION** buttons. Additionally, the strobe speed can be adjusted by using the + and – buttons.

**Speed Button:** This button is used in conjunction with the + and – buttons to adjust the speed of the currently selected program. Some, but not all, programs require the user to press the **SPEED** button before adjusting the program speed with the + and – buttons. For more detailed information on speed adjustment, please consult the section for the specific program you plan to use.

- + / **Buttons:** These buttons are generally used to adjust the speed of the currently selected program. However, there are a few programs for which these buttons perform a different type of function:
  - In color selection mode, these buttons control the brightness of the color display.
  - In sound mode, these buttons control the sound sensitivity of the unit.

# IR REMOTE RANGE

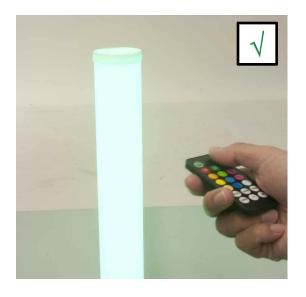


The IR Remote has a maximum range of 30 feet (9 meters), and will affect all Eliminator LED BP Tubes within range. This is true even for LED BP Tubes that were purchased separately or as part of another set.

Please note that the LED BP Tubes may also be affected by other IR devices operating nearby, and those devices may likewise be affected by the IR Remote, regardless of whether those devices were produced by Eliminator Lighting or by another manufacturer. To minimize the chances of interference, consider the operating range of both the LED BP Tubes as well as any nearby IR devices and install them so that they are located well outside of each other's operating range.

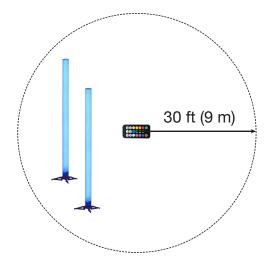
In order to maximize the effective range of the IR Remote, please pay attention to the following points when installing the LED BP Tubes:

- Ensure that a direct line of sight path exists from the IR Remote to the LED BP Tube, as the signal from the IR Remote cannot travel through walls, around corners, or through obstacles.
- Ensure that the LED BP Tube is positioned so that its unlit side is facing away from the direction
  of the IR Remote. The LED BP Tube does not have a signal receiver on the unlit side, and
  therefore reception of signals transmitted from this direction may be poor. Please see the
  images below for reference.

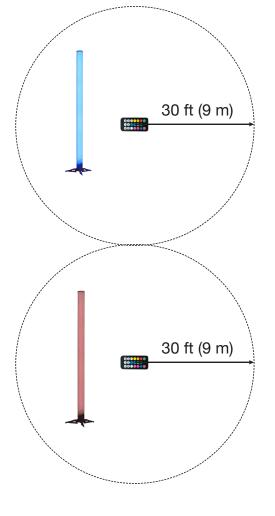




## IR REMOTE RANGE



The range of the IR Remote can be taken advantage of to easily configure multiple LED BP Tubes to the same display mode. A single IR Remote will issue the same command signal to all LED BP Tubes within range.



The range of the IR Remote must always be considered when setting multiple LED BP Tubes to different display modes. The IR Remote(s) being used to set up each display mode should be located at least 60 feet (18 m) apart in order to minimize the risk of interference, and each LED BP Tube should be placed within range of the IR Remote being used to configure its desired display mode.

NOTE: After the LED BP Tubes have been set up, they can be moved to a different location as needed. The LED BP Tubes will adhere to the previously set configuration even after they have been moved out of range of the IR Remote.

## TROUBLE SHOOTING TIPS

#### The LED BP tube does not turn on.

- 1. Confirm the unit has power.
- 2. Confirm that the red power button on the LED light tube has been switched on.
- 3. Find circuit breaker that controls the outlet that the light is plugged into, and check whether it has been tripped.
- 4. Confirm the AC power cord from the light is not damaged or cut.
- 5. If none of these solutions work, please contact Eliminator Customer Service.

### The LED BP tube does not respond to remote.

Check that there is a battery in the remote. If yes, then try replacing with a new battery.

### The LED BP tube has difficulty with remaining upright when standing free.

Check that the unit is mounted on a level, stable surface. Make sure the 3 feet are inserted completely into their attachment slots, and that the thumb screw from the bracket has been removed.

### The LED BP tube does not hang vertically straight.

Check that the unit is mounted to a level, stable mounting point, and that the mounting bracket is not deformed or bent. If there is an issue with the bracket, please contact Eliminator Lighting Customer Support for replacement parts.

# FREQUENTLY ASKED QUESTIONS

### How long can the LED BP tube operate on battery power?

At full charge, the LED light tube can operate on battery power for up to 8 hours and requires 4 to 5 hours to recharge fully. Battery life hours and charging hours may vary depending on operation environment and/or charging frequency.

#### What is the maximum range of the remote?

The range of the IR remote is approximately 30 feet (9 meters). If operating additional nearby IR devices or another set of LED BP tubes independently, make sure that each device is located outside the range of the other devices in order to minimize the chance of interference.

#### Can multiple LED BP tubes be synchronized together?

Yes. The IR remote will control all LED BP tubes within range.

## TECHNICAL SPECIFICATIONS

Model: LED BP Tubes

**Light Source:** 32 SMD 3-in-1 LEDs **Control:** Wireless IR Remote (included)

Control Programs: Auto, Flash, Fade, Sound, & Color Selection

**Strobe Rate:** 0 to 30 Hz **Surface Material:** Plastic

Working Position: Upright (all mounting methods) or horizontal (with mounting clips only)

Input Voltage: 12.6 VDC/1A

Max Power Consumption: 14.0 watts (for each LED BP tube)

### **LED BP Tube Battery**

Battery Rating: 12V 2500MA

Battery Life: Up to 8 hours (may vary depending on operation environment and/or charging frequency)

Battery Charge Time: 4 to 5 hours (may vary depending on operation environment and/or charging frequency)

**Battery Type:** Fixed Lithium Ion Battery **Battery Energy:** 27.75WH (Watt Hours)

Battery Weight: 0.04 oz / 1.1g

Battery Voltage: 11.1V Battery Capacity: 2500mAh Total Lithium Ion Cells: 3pcs Battery Wrap Material: Steel-Can

#### **IR Remote Battery**

Battery Type: CR2025 Lithium Battery Energy: 27.75WH Battery Weight: 0.035g Battery Voltage: 3V

Battery Capacity: 150mAh

#### **Dimensions:**

LED BP Tube Height: 37.8" (960 mm)
Height w/ Support Feet: 39.8" (1010 mm)
Height w/ Mounting Bracket: 41.3" (1050 mm)

Footprint Diameter: 10.0" (254 mm) Footprint Area: 78.5 sq. in. (506 sq. cm)

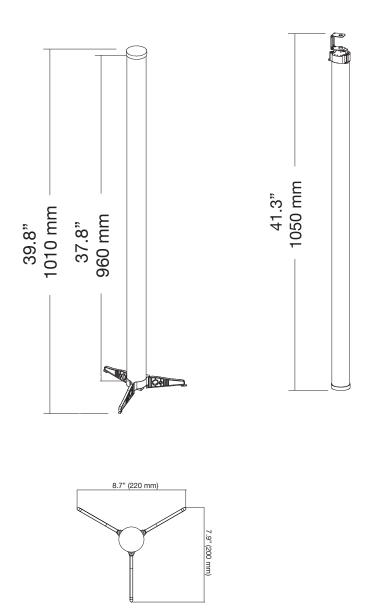
Unit Weight: 1.1 lbs / 0.5 Kg

4-Pack Loaded Case Weight: 5.9 lbs (2.7 kg)

Warranty: 1 year

Specifications subject to change without any prior written notice.

# DIMENSIONAL DRAWINGS



Footprint area: 78.5 sq. in. (506 sq. cm)

NOTE: DIMENSIONS NOT TO SCALE