



# Multi-Zone RGB Controller



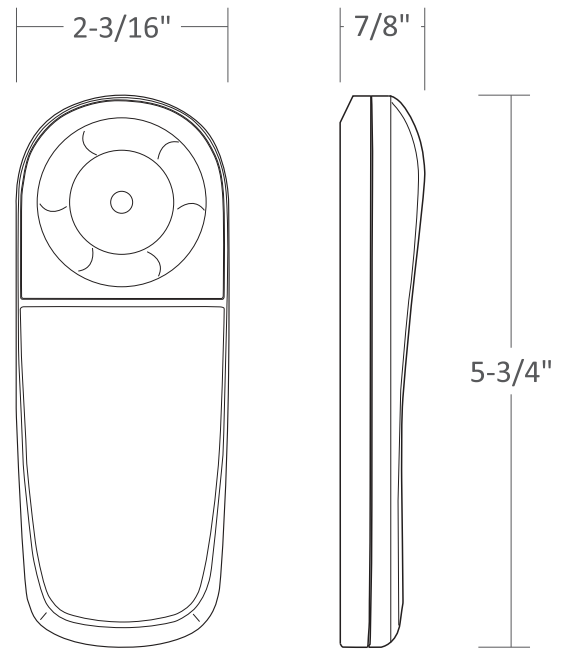
## Intuitive Multi-Zone Wireless Control

The MaxBrite Multi-Zone Wireless RGB Controller offers a simple solution for controlling multiple sets of RGB luminaires.

## Specifications:

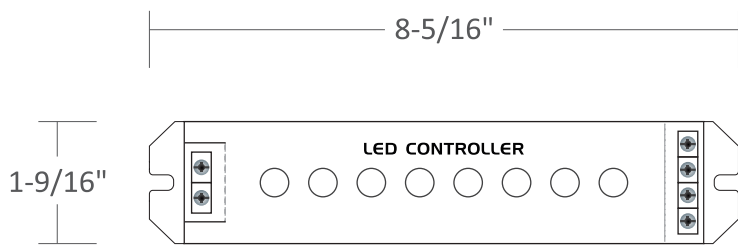
### REMOTE

Dimensions:	5-3/4" x 2-3/16" x 7/8"
Input voltage:	5V DC built-in lithium-ion battery
Charge method:	Mini-B USB port (cable included)
Working current:	<30 mA
Working frequency:	2.4 GHz
RF remote distance:	100 ft (30 m)
Transmitting rate:	500 Kbps
Battery capacity:	1000 mAh
Standby time:	1 year
Normal use time:	30 days
Charge time:	<4 hours
Number of charge cycles:	500+
Weight:	9.6 ounces
Max. number receivers:	Unlimited (within effective range)

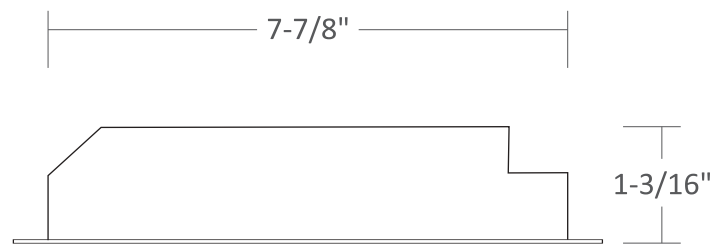


### RECEIVER

Dimensions:	8-5/16" x 1-1/2" x 1-3/16"
Channels:	3: Red, Green, and Blue
Input voltage:	12 or 24 Volts DC
Max. current load:	5A per channel
Max. output power:	180W/360W (12V/24V)
PWM Frequency:	480 Hz
Weight:	8.0 ounces

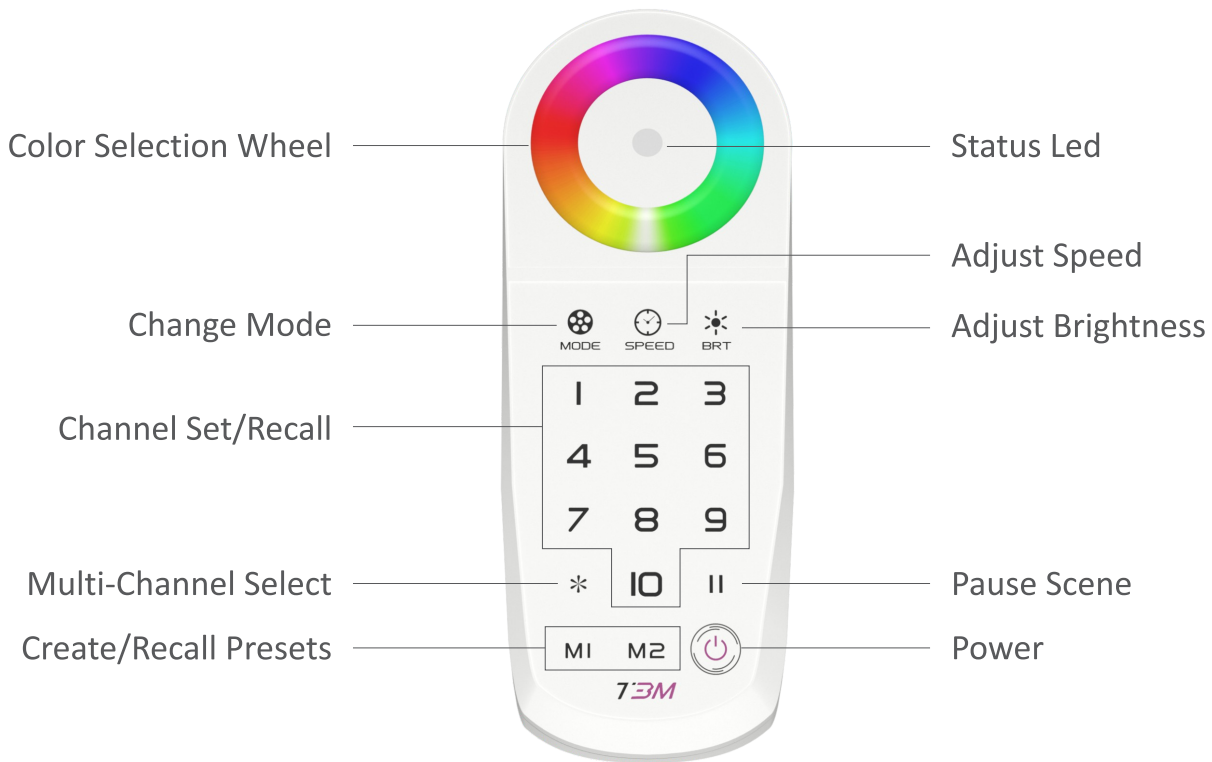


Top View

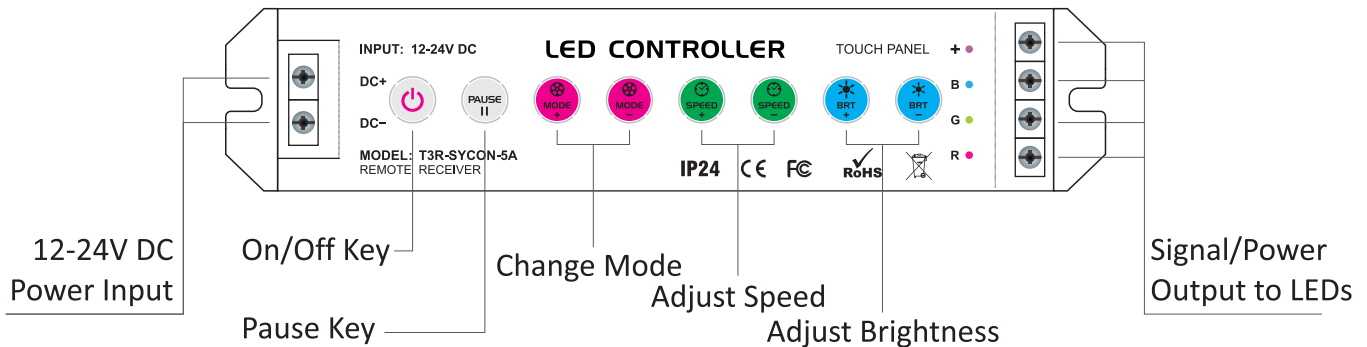


Side View

## T3M Remote Interface:



## T3R Receiver Interface:



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## Remote Control Charging Instructions:

1. To charge the remote, connect a Mini USB-B cable to the charge port and plug into a mobile device charger or computer.
2. The blue indicator light pulses while charging, and turns green once charging is complete. The remote control can be charged even in the "off" state, while the indicator light will remain dark.
3. There is no "memory effect" in this lithium battery pack. Follow the standard charging procedure from the start - the battery will not over-charge.
4. Red indicator light pulses to indicate low battery.
5. If remote is not used for an extended period of time, please keep battery at least 50% charged. Plug in remote every two/three months, otherwise overall battery capacity may diminish.

## Pairing Remote Control & Receiver Instructions:

1. Turn on the receiver and remote control.
2. Press and hold the *power* button on the receiver for 2 seconds until you hear a beep, CONTINUE holding the *power* button on the receiver, then press any number on the remote to assign a zone. You will hear a confirmation beep from both the receiver and the remote and the LED indicator on the remote will flash 3 times. Release all keys.



You can create up to 10 different zones, with unlimited receivers per zone. Follow the above steps to pair each additional receiver.

## Un-Pairing Instructions:

1. Turn on the receiver and remote control.
2. To un-pair a receiver, press and hold the *power* button on the RECEIVER for 10 seconds until you hear a long beep. Release *power* button.
3. To reset a remote from all paired receivers, press and hold the *power* button on the REMOTE for 10 seconds until the light flashes red, then flashes green to indicate a completed reset. Release *power* button.

## Zone Selection/Control:

1. To control a single zone, simply press the zone number, then change the color with the touch wheel or preset modes.
2. To control multiple zones, press \* + zone numbers + \* then change the color with the touch wheel or preset modes. For example, press \*124\* to control zones 1, 2, and 4 simultaneously.
3. Set selected zone to a dynamic mode by cycling through the *mode* key, using the table below as a guide.
4. Press *speed* key repeatedly to adjust speed progressively faster through 8 levels. For example, repeated presses will set the speed as follows:  
... 1(slowest), 2, 3, 4, 5, 6, 7, 8 (fastest), 1, 2, 3, 4, 5, 6, 7, 8 ...
5. To save a preset, set all zones to desired settings, then long-press M1 or M2 to save.
6. To recall a preset, press M1 or M2 to set all zones to their saved setting.

1	RGB Jumping	10	Green / Cyan Color Fade
2	7 Color Jumping	11	Blue / Purple Color Fade
3	White Pulsing	12	Green / Yellow Color Fade
4	7 Color Pulsing	13	Blue / Cyan Color Fade
5	RGB Fade In/Out	14	Red / Purple Color Fade
6	Red / Green Color Fade	15	Blue / White Color Fade
7	Red / Blue Color Fade	16	Yellow / Purple / Cyan Color Fade
8	Blue / Green Color Fade	17	RGB Color Fade
9	Red / Yellow Color Fade	18	Full Color Fade

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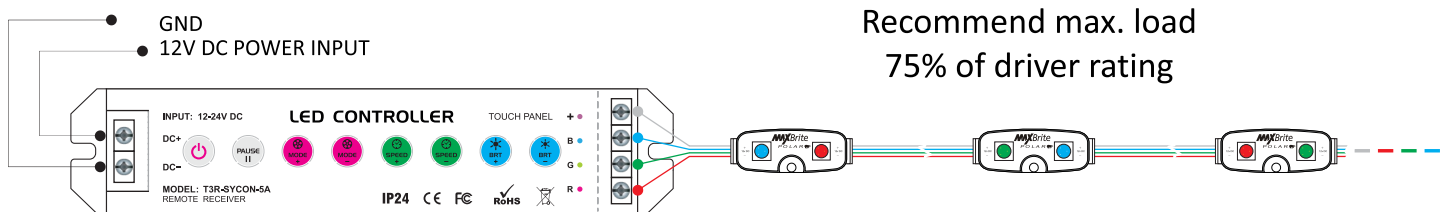
## WIRING INSTRUCTIONS

Connect the LED load to the receiver using the R (red), G (green), B (blue), and + (common) sockets. Apply 12V or 24V DC, depending on the requirements of the LED strip, to the power input socket. As shown below, receivers may be connected to the same or different power sources, as long as power needs are met.

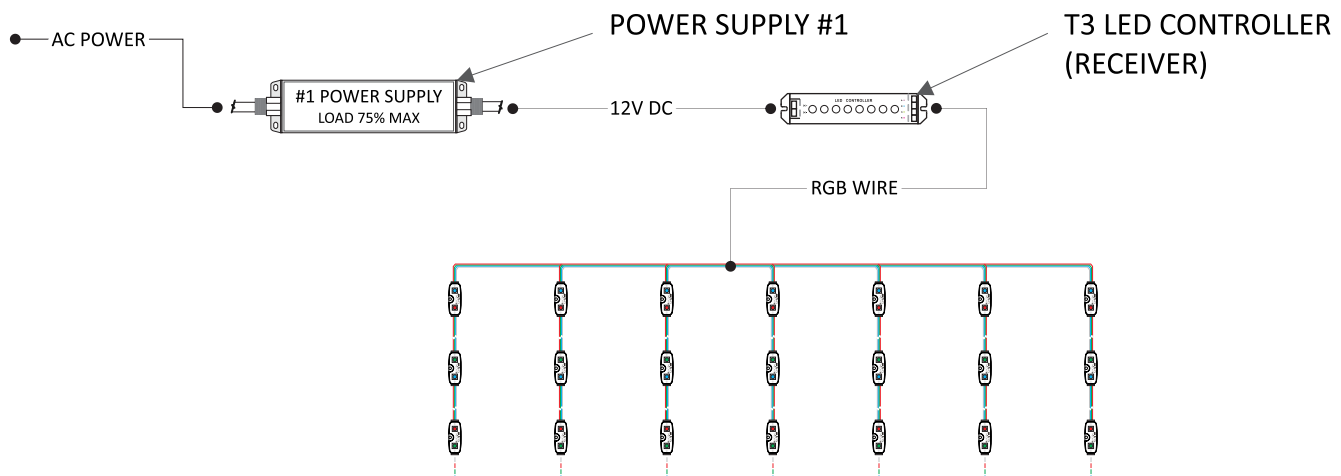
The receiver is ready to use as soon as both power and load are connected. If no remote is to be used, simply touch the mode button plus or minus to cycle through the modes. Speed and brightness adjustments work the same as with the remote. The pause button will stop the mode and hold its current color static. Simply press again to continue the dynamic mode.

After initial pairing of multiple receivers to a remote, and the receivers are within range of each other, they will also automatically sync. This means that your remote must only reach a single receiver, and the signal will be daisy-chained to the other receivers, extending your overall effective range.

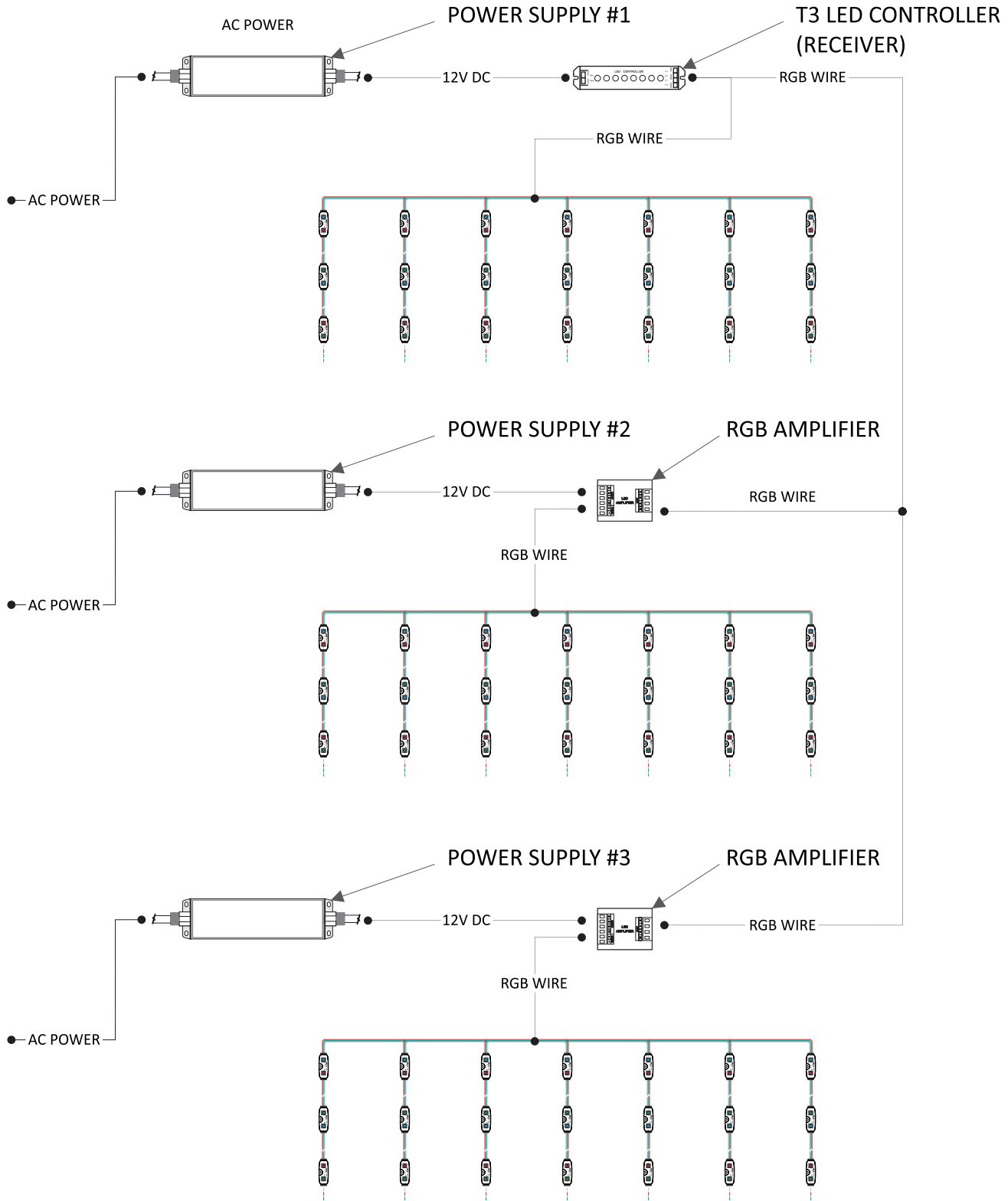
## WIRING DIAGRAM



## SINGLE DRIVER SETUP



## MULTIPLE DRIVER SETUP



# Product Limited Warranty

MaxBrite LED is dedicated to providing defect-free products that will give the buyer years of trouble free operation. These products offer high design standards and are the most thoroughly tested in the industry. All MaxBrite LED products maintain very strict quality assurance standards that are essential to customer requirements.

MaxBrite LED warrants its LED products and Power Supply products to meet the performance criteria outlined in the written data sheets and specifications. These products are guaranteed to be free from defects in materials and workmanship for the warranty period stated below, as long as the MaxBrite LED products and Power Supplies are used together as a system. If any LED product or Power Supply fails to perform, as specified during the warranty period in accordance with the terms and conditions set forth herein, MaxBrite LED will replace, or at its discretion, repair free of charge, the non-performing product on a pro-rata basis.

## Terms and Conditions

### Usage

This limited warranty is based on reasonable indoor or outdoor usage in architectural applications for image identification, when installed and used in accordance with instructions from MaxBrite LED. Normal operating conditions are defined as 24 hour per day, 7 day per week continuous use in typical outdoor heat and humidity environmental conditions. All LED systems, to varying degrees, have some amount of light degradation over the life of the product. MaxBrite LED designs all of its LED systems to minimize this light degradation but considers this a normal part of LED technology. This limited warranty is valid only when the LED products and Power Supplies are used together for their intended use and properly installed and wired in accordance with all instructions, building codes, the latest Underwriter Laboratory Standards of Safety, National Electric Code, Canadian Standards Association, and all other domestic and international safety agencies that are recognized as having applicable safety requirements. Any use outside intended use or conditions or the conditions stated in MaxBrite LED written data sheets and instruction, or stated herein, including the use of third party dimming, flashing or other effect devices, extreme environmental conditions or any other unintended usage will void this warranty. Replacement of MaxBrite LED products or Power Supplies with any other manufacturer's components will further void this warranty. After the first 12 months, the warranty is held on a pro-rata basis. The pro-rata formula is as follows:  $\frac{P * T}{W}$

Where P = Current price, T = Remaining term in months, W = The original warranty period in months.

#### EXAMPLE:

An approved warranty claim is made within 12 months of purchase, with an original purchase price of \$100, and a 3 year warranty. MaxBrite is responsible for 100% of the replacement cost since it is within 12 months of purchase.

If the same warranty claim is made within 24 months on the warranty, customer is responsible for  $\frac{100 * 24}{36} = \$66.67$  for the replacement.

The "date of purchase" refers to the date on your sales invoice. If you cannot find your sales invoice, the date will be calculated based on the date of manufacture which is determined by your product's serial number.

### Warranty Claim Assistance

Should a MaxBrite LED product fail under this warranty please contact MaxBrite LED for a Return Material Authorization number (RMA). An RMA number may be obtained by calling customer service at (408) 437-1600. Information and troubleshooting assistance is also available at this number. Once an RMA number is obtained, the product should be returned directly to MaxBrite LED or the location designated at the time the RMA was issued. Product must be returned within 15 days of RMA issuance for the RMA to remain valid. Please mark all shipping boxes and packing slips with the RMA number. MaxBrite LED, at its sole discretion, may elect to provide replacement product prior to receipt of defective material. If such product is provided, user agrees to return to MaxBrite LED the defective product within 30 days of receipt of replacement. The Customer/Purchaser is responsible for all return shipping costs. Shipping costs are non-refundable. All returned merchandise must be sent back prepaid; we will not accept CODs. Please insure the package(s) for the full amount of the merchandise you are sending back to us. MaxBrite LED is not responsible for missing packages or missing items. Defective product is to be returned to the address listed as the return address on the shipping container. Failure to return defective product within specified time will result in user being charged for replacement product and will void all further warranty claims. Should circumstances arise that preclude the remedying of warranted defects by repair or replacement, MaxBrite LED shall, at its discretion and upon receipt and verification of defective product, refund to the buyer the purchase price or portion of purchase price theretofore paid to MaxBrite LED.

### Limitation of Liability

High quality lighting products is the commitment of MaxBrite LED. By returning defective products it will help us monitor and further improve our product quality. Repair or replacement of product is the sole remedy available. UNDER NO CIRCUMSTANCE SHALL MAXBRITE LED BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL LOSS OR DAMAGE WHATSOEVER ARISING OUT OF, OR IN ANY WAY RELATED TO ANY DEFECT IN OR NON PERFORMANCE OF THE PRODUCTS. NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE OR IMPLIED. Furthermore, MaxBrite LED shall not be responsible for any other costs, including installation or field support labor or loss of profits, income or revenue. Additionally, any drawing, layout, quotation or other communication regarding suggested product type, amount or usage is for reference only and should be treated as an estimate. MaxBrite LED shall not be responsible for minimum illumination levels or other performance criteria. MaxBrite LED reserves the right to test and examine all products returned under this warranty to evaluate proper usage, determine the cause of failure, and make a determination, in its sole judgment whether the products are defective and covered by this warranty.