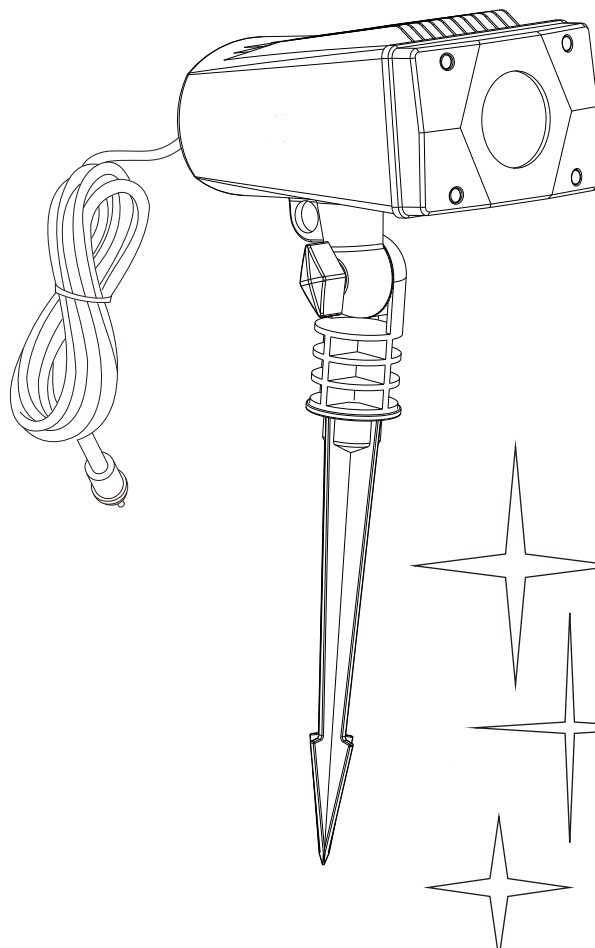


# White Light Laser Projector

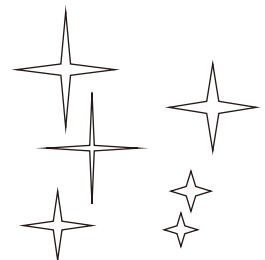
## Instruction Manual



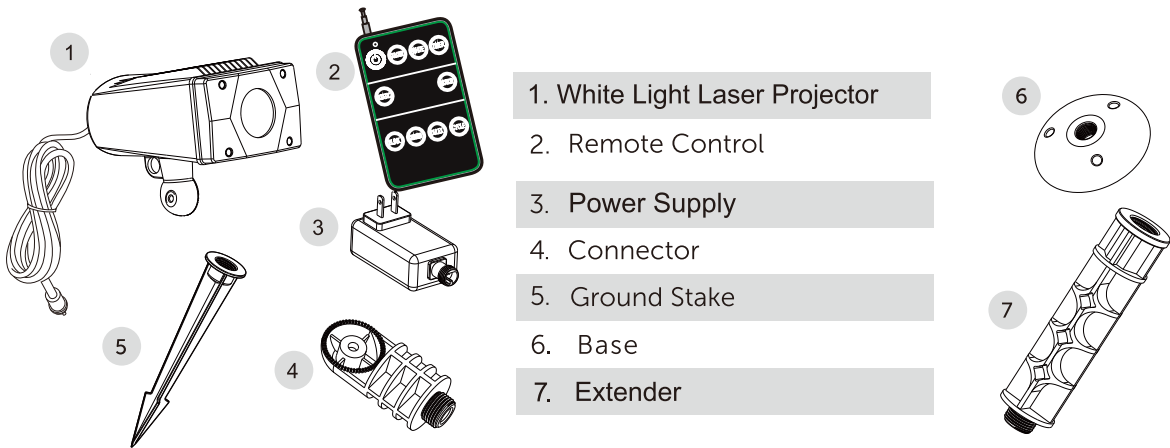
**IMPORTANT:** Please read this manual carefully before operating this light and save it for reference.

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- Motion Laser Starfield**  
 Hundreds brilliant white laser stars create a visual milky way. Motion speed is adjustable from low-medium-fast.
- Easy Set Up**  
 Set up hundreds of starry lights within 5minutes, without a ladder.
- Motion Firefly Effect**  
 Underlight trees/downlight pool and landscape for a beautiful motion "firefly" effect.
- Everyday Use**  
 Perfect for parties, outdoor dinners and everyday use to highlight your home and landscape.
- Metal Locking Ring**  
 Metal locking ring attached to fixture head for securing projector to fixed objects.
- Remote Control**  
 Includes a RF remote control ON/OFF, with 4/20 6/18 8/16 timer; Static, motion, blink, chasing, dulex, cycle functions and power cycle memory settings.



Model	PW-RGB230-RM1
Dimensions (L x W x H)	6.3x2.8x14.4 in ( 161x72.6x365.5 mm)
Projection Coverage	Up to 1,600 ft <sup>2</sup> ( 148 m <sup>2</sup> )
Laser Classification	Class 3R
Laser Wavelength	Red—638 nm, Green—515 nm, Blue—445 nm
Housing	ABS
Power Consumption	5 W
Power Supply Input	120 V AC
Light Input	12 V DC 1 A
Operating Temperature	-20 to 30°C (-4 to 86°F)
Operation	Indoor/outdoor use on 120 V outlets
Maintenance	Maintenance free



1. White Light Laser Projector

2. Remote Control

3. Power Supply

4. Connector

5. Ground Stake

6. Base

7. Extender

### KNOW YOUR LASER PROJECTOR

Before use of this product, familiarize yourself with all operating features and safety rules. Carefully unpack and check the carton contents to ensure that all parts are present and in good condition. Notify the retailer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that the fixture must be returned, it is important that the fixture be returned in the original factory box.



1. Push the ground stake into the ground.
2. Attach the connector to the lighting head, then attach to the ground stake by rotating the lighting clockwise.
3. Connect the light fixture to the provided CUL power supply.
4. Connect the power supply into an available standard electrical outlet.
5. Adjust the angle of the projected light by turning the thumbscrew attached to the side of the fixture.
6. Use the included remote control to change the settings of the light output.
7. Use the base and extender: 1) Remove the ground stake by rotating the fixture counter-clockwise; 2) Connect the base and extender; 3) Connect the extender to the fixture clockwise; 4) Fix the base on the ground using the provided screw.
8. To turn off the light, use the provided remote or remove the power plug from the electrical outlet.

### OPERATING THE LASER PROJECTOR

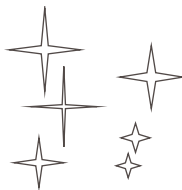
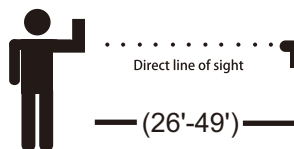
Once the laser projection lighting is turned on, it will enter the default mode with the laser on and the automatic timer in 6 hour on and 18 hour off mode. Use the included remote control to change these settings.

### OPERATING THE TIMER


This light has a built-in timer that is designed to automatically shut off after 6 hours of operation. It will go into sleep mode for 18 hours and resume its operation thereafter. The timer will turn on once the light is plugged in. The timer can be changed to 4 hours on/20 hours off and 8 hours on/16 hours off.


### OPERATING THE REMOTE CONTROL


Use the included Radio Frequency signal remote control to operate the light's features. Within the reasonable control distance, Radio Frequency signal almost not limited by solid objects, such as windows, walls, shrubs, trees. etc. Make sure that the antenna will be completely pull out and straight up when use the remote. The remote operates up to 26'~49' of distance away from the face of fixture.








 Turns the lighting on & off. When turning the lighting on, the white colour will show up first and lasts for 3s, then automatically switch to Red, Green, Blue, Teal, Yellow, Pink, White in sequence. When turning off the lighting, the device will save all current setting, so that the device will resume with the latest mode when turning it on again.


 Each push of the button cycles the effect through one of the seven different colours, Red, Green, Blue Teal, Yellow, Pink, White in sequence.


 One-key recovery to control white laser. Push this button, the lighting will come to show white laser only when it is setting on the other colours and display modes. Available functions: MOTION, COLOUR.

 Push this button to set timer. Each push with the symbol that Blue, Green, Red respectively in triple-flashing. Blue flashing: 8h on/16 off; Green flashing: 6h on/18h off; Red flashing: 4h on/20h off.


 To control the built-in motor come to static. Push this button, the motion status at any colour and display mode will come to static.

 This button controls the motor rotating speed. Each push of the button cycles the effect through of the different Six statuses: Clockwise(Slow-Medium-Fast), Anti-clockwise(Slow-Medium-Fast).

 This mode makes each available laser colour blink in sequence. Each push the button cycles through one of two different speeds: Fast-Slow. Available functions: COLOUR, MOTION.

 Push this button to make the laser colours' brightness gradually change from the brightest to dimmest, cycles in sequence Red, Green, Blue, Teal, Yellow, Pink and White. Each push of the button cycles through one of two different speeds: fast and slow. Available functions: MOTION.

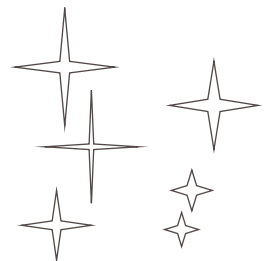
 Push this button, each of all available colours will randomly comes to work on irregular statuses that colour fading, motion speed(slow-medium-fast) and rotating directions(clockwise or anti-clockwise).

 A comprehensive button that collect 4 modes, PULSE, FADE, TWINKLE and CHASING. Push this button then above 4 modes will work in sequence.

**PULSE:** This mode makes a smooth transition all available colours. Red, Green, Blue, Teal, Yellow Pink, White in sequence.

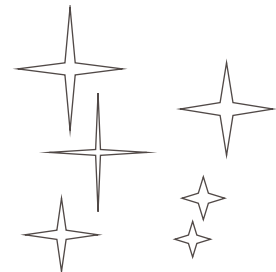
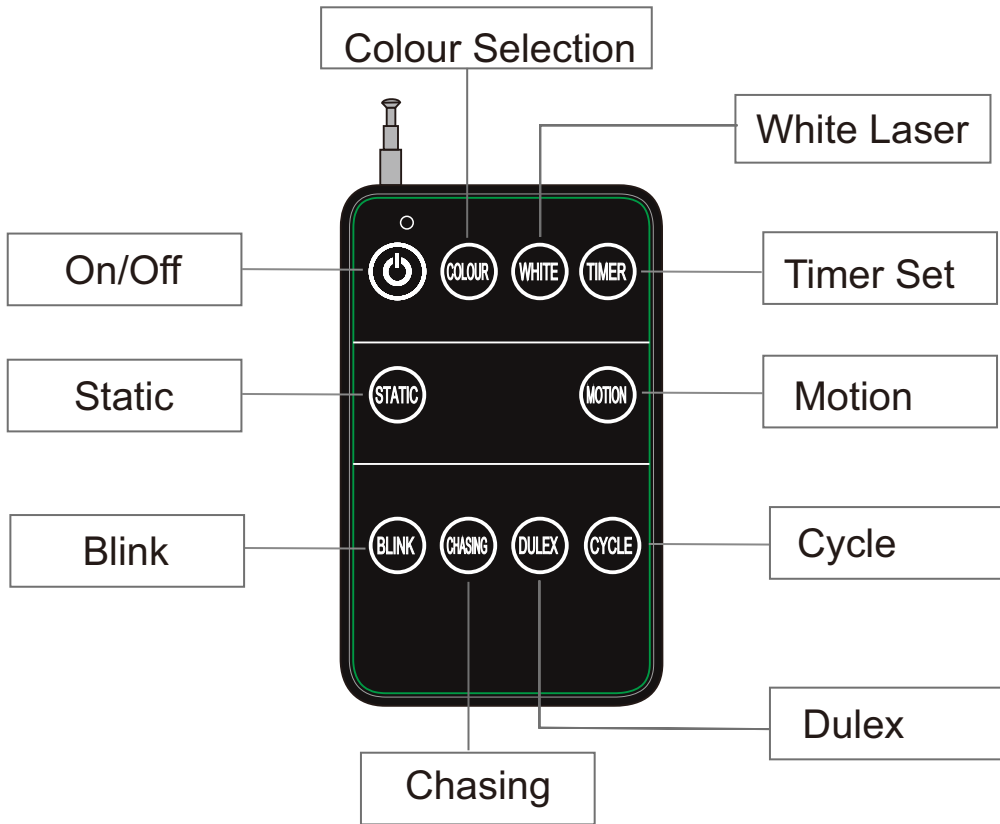
**FADE:** This mode cycles through Red, Green, Blue in a synchronized fading transition.

**TWINKLE:** This mode cycles through Red, Green, Blue in an unsynchronized twinkle effect.



**Notice:**

This RF signal remote controller will be synch well with the lighting in the package.  
If use the remote to control the other/another same lighting, please do long-press about 5s then workable on the other/another lighting.



### PRECAUTIONARY TIPS FOR THE REMOTE CONTROL

- The remote control should be kept dry and away from heat sources. Avoid humidity. If the device responds erratically to the remote control, or doesn't respond at all, check the battery.
- Do not subject the remote control to undue physical stress, such as striking or dropping it.
- Do not attempt to clean the remote control with a volatile solvent. Wipe it with a clean, damp, soft cloth when cleaning.

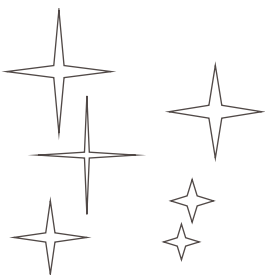
### PRECAUTIONARY TIPS FOR BATTERY INSTALLATION

- Do not ingest the battery.
- Non-rechargeable battery is not to be recharged.
- Battery is to be inserted with the correct polarity.
- Dead battery is to be removed from the product.
- Do not take apart the battery, do not heat the battery, and do not throw it into a fire.
- Keep the battery away from children and pets.
- When not using the remote control for an extended period of time, remove the battery and store in a cool, dry place at room temperature.

### BATTERY DISPOSAL

Please, always dispose of batteries at a suitable recycling depot.

Note: Batteries should be recycled or disposed of as per provincial and local guidelines.





CAUTION—Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This laser product is certified as a CLASS 3R laser product, and adheres to the requirements of the US Federal Laser Product Performance Standard (FLPPS) contained in the regulations in 21 CFR 1040.10.

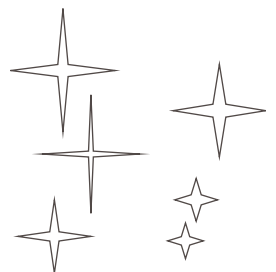
Avoid direct eye contact of CLASS 3R laser energy as it can be hazardous. For reference, the FLPPS requirements for demonstration laser products, like laser pointers, are limited to CLASS 3R levels of laser energy. **This product uses a reflective optic unit to divide the original beam into hundreds of small beams, causing the beam energy to scatter.** This scattering effect causes the energy concentration to drop below the exposure limits for momentary or accidental viewing at a relatively short distance from the laser aperture. As with all bright light-sources, when you operate this device in unsupervised general public areas, it is recommended that up-close access to the light be restricted or prevented.

This laser display device incorporates a CLASS 3R laser system which, by itself, may be hazardous. However, this laser display device incorporates a protective housing and diffractive holographic optics in the machine design so that there is no exposure or human access to laser radiation during operation or maintenance above the CLASS 3R limits. Each individual laser beamlet's power is under 1 mW, which is less than a standard laser pointer.

UNDER NO CIRCUMSTANCES shall attempts be made to open the protective housing or operate the device if the aperture window is damaged.

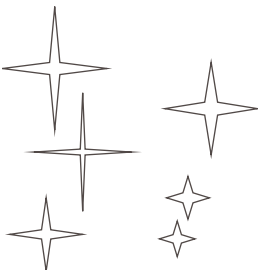
All service to this laser display device requiring the protective housing to be opened and/or removed shall be performed by service personnel or their authorized agents. Opening the protective housing voids the warranty.

**NO LASERS SHOULD BE POINTED INTO THE SKY WITHIN 10 NAUTICAL MILES (18.5km) OF AN AIRPORT. IF YOU ARE LOCATED WITHIN THIS SPECIFIC PERIMETER, WE RECOMMEND THE LASERS BE POINTED DOWN AT THE GROUND SO NO STRAY BEAMS ARE PROJECTED INTO THE AIR. CHECK WITH YOUR LOCAL AIRPORT OR PROVINCIAL GUIDELINES FOR FURTHER INFORMATION.**





1. Read all instructions before operating this projection lighting.
2. Use only the manufacturer-provided CUL power supply.
3. Do not run power cord under carpets and do not cover with throw rugs.
4. Arrange cord such that it will not be tripped over.
5. Limit the use of extension cords. If you need an extension cord, use only UL, CUL, or CSA approved 3rd party extension cords. When using outdoors, ONLY use extension cords that are weather resistant, such as waterproof cords.
6. Do not use with a damaged cord or plug, and keep the cord away from heated surfaces.
7. Do not operate this product near an open fire. It may ignite and cause fire, resulting in personal injury or property damage.
8. Projecting the lights to darker area, the brighter dots will appear. Try to avoid display areas with strong ambient light sources, such as commercial street lights or bright security flood lights.
9. If you are going to mount the light for downlighting (e.g. from balcony railing, fence line, roof line, etc.), it is recommended that, for safety purposes, your lights are properly mounted using a suitable hanging clamp and safety cable.
10. Do not handle the plug with wet hands. Electrical shock may occur resulting in injury or death.





This product carries a 12 months warranty against defects in workmanship.

Warranty

