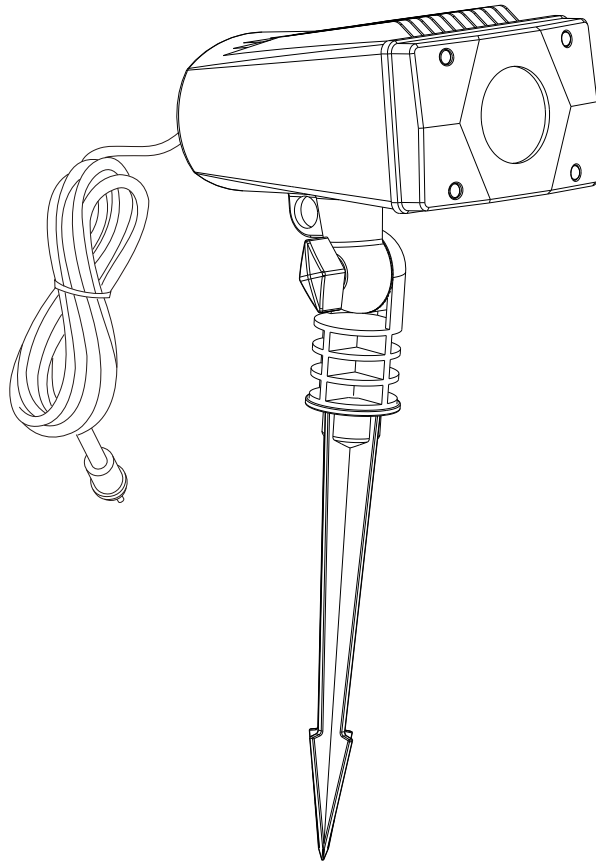


White Laser Projector **Instruction Manual**



Part NO.: LM-LL-WMR-0001

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

Table of Contents

Specifications	3
Know Your Galaxy Laser	3
Operation	4
Using the Remote Control	5-6
Precautions	6
Notice	7
Safety	8
Warranty	8

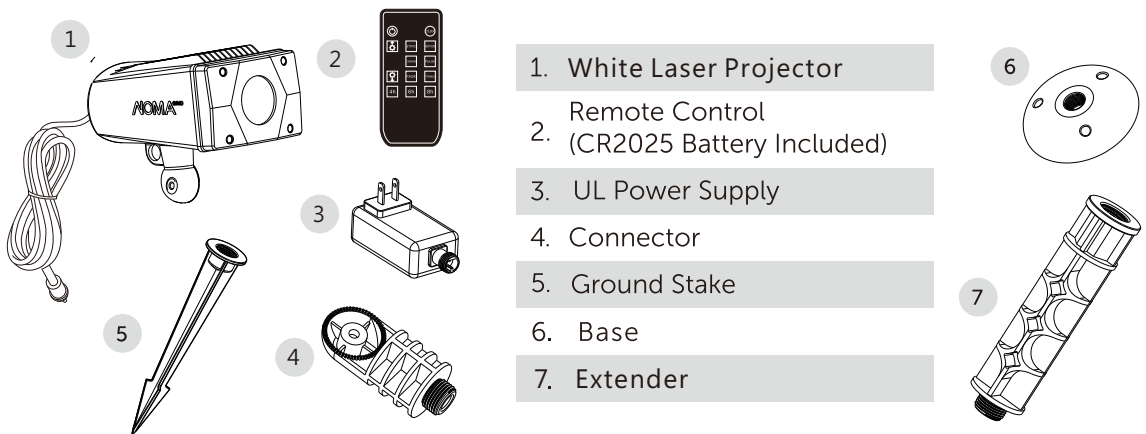
Features

1. Motion Laser Starfield	Elegant starfield showers your home with light. Looks great alone or with other prelit decorations.
2. Easy Set Up	Set up thousands of starry lights in less than 5 minutes—without a ladder!
3. Motion Firefly Effect	Underlight trees/downlight pool and landscape for a beautiful motion “firefly” effect.
4. Everyday Use	Perfect for parties, outdoor dinners and everyday use to highlight your home and landscape.
5. Metal Locking Ring	Metal locking ring attached to fixture head for securing projector to fixed objects.
6. Remote Control	Includes an infrared ON/OFF remote control with 4/20 6/18 8/16 timer, static, motion, chasing, pulse, fade, twinkle, and power cycle memory settings.

Specifications

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 ² (148m ²)
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	- 15 to 30°C (5 to 86°F)
Operation	Indoor/outdoor use on 120 V outlets
Maintenance	Maintenance free

Know Your Laser Projector



1. White Laser Projector
2. Remote Control
(CR2025 Battery Included)
3. UL 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.

Operation

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 UL 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

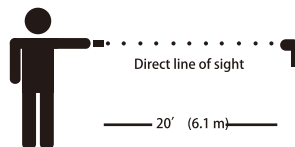
Once the laser projection lighting is turned on, it will enter the default mode with the laser on and the automatic timer in 6 hour on and 18 hour off mode. Use the included remote control to change these settings.

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

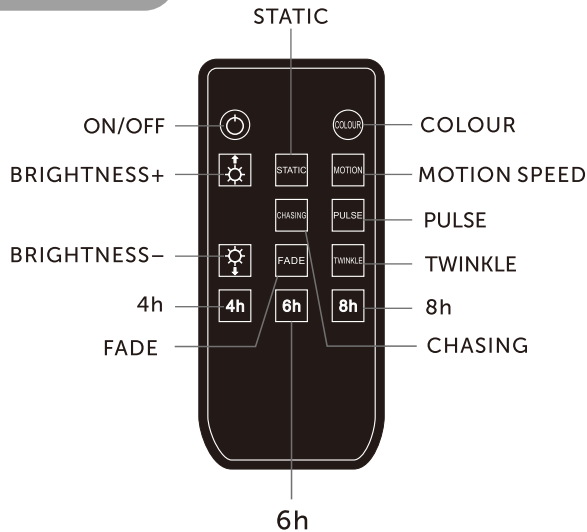
Use the included infrared remote control to operate the light's features. Infrared signal does not go through solid objects, such as windows, walls, trees, shrubs, etc. Make sure there is a clear line of sight between you and the fixture. Point the remote control at the FACE of the light fixture, where the receiver is located. The remote operates up to 20' (6.1 m) of unobstructed distance away from the face of the fixture.



Using the Remote Control

- **ON/OFF:** Turns the lighting on & off. When turning the lighting off, the device will save all current settings so that the device will resume with the latest mode when turning it on again.
- **COLOUR:** Each push of the button cycles the effect through one of seven different colours (Green, Red, Blue, Teal, Yellow, Pink, White). Available modes: STATIC, MOTION, CHASING, PULSE, FADE, TWINKLE.
- **BRIGHTNESS+:** Increases the brightness of the device. Each push of the button will increase the brightness. Red, Green and Blue flashing indicates the maximum brightness. Available modes: STATIC, MOTION, CHASING, PULSE, FADE.
- **BRIGHTNESS-:** Reduces the brightness of the device. Each push of the button will reduce the brightness. Red, Green and Blue flashing indicates the minimum brightness. Available modes: STATIC, MOTION, CHASING, PULSE, FADE.
There are 5 settings between BRIGHTNESS+ and BRIGHTNESS-.
- **STATIC:** Push the button; the device will project static pattern at any mode.
- **MOTION SPEED:** This button controls the motor rotating speed. Each push of the button cycles the effect through one of three different statuses: Slow, Medium and Fast. Available functions: COLOUR, BRIGHTNESS+ and BRIGHTNESS-.
- **CHASING:** This mode makes each available laser colour blink in sequence. Each push of the button cycles through one of two different speeds: fast and slow. Available functions: COLOUR, BRIGHTNESS+ and BRIGHTNESS-.
- **PULSE:** This mode makes a smooth transition through all available laser colour. Each push of the button cycles through one of two different speeds: fast and slow. Available functions: COLOUR, BRIGHTNESS+ and BRIGHTNESS-.
- **FADE:** This mode cycles through Red, Green and Blue in a fading transition. Each push of the button cycles through one of two different speeds: fast and slow. Available functions: COLOUR, BRIGHTNESS+ and BRIGHTNESS-.
- **TWINKLE:** This mode makes a twinkle effect. Each push of the button cycles through one of two different speeds: fast and slow. Available function: COLOUR.
- **4h:** Push the button. The device only projects Red dots flashing in 3 times; indicates the previous timer will be canceled and the device will be 4 hours on and 20 hours off. The device will be on automatically every day.
- **6h:** This is default working time. Push the button. The device only projects Green dots flashing in 3 times; indicates the previous timer will be canceled and the device will be 6 hours on and 18 hours off. The device will be on automatically every day.
- **8h:** Push the button. The device only projects Blue dots flashing in 3 times; indicates the previous timer will be canceled and the device will be 8 hours on and 16 hours off. The device will be on automatically every day.

Using the Remote Control



Precautions

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.
- Only use CR2025 3 V lithium cell replacement battery.
- 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.

Notice

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.

Safety

1. Read all instructions before operating this projection lighting.
2. Use only the manufacturer-provided UL 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.

Warranty

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