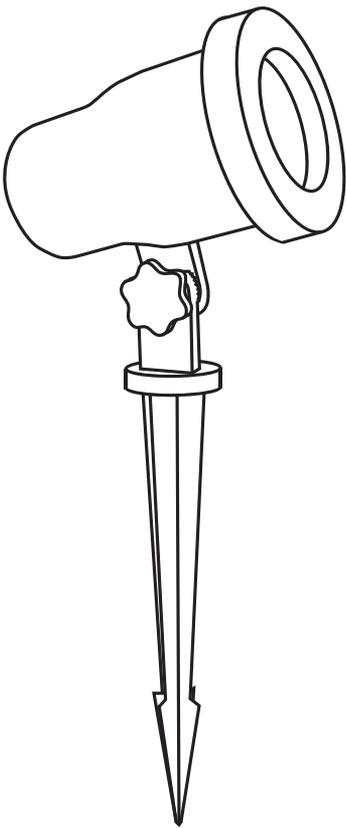# Color Laser Light

Instructions

LL03-RG-16LED-R
Red & Green with 16-Color Floodlight

LASER RADIATION
AVOID DIRECT EYE EXPOSURE
CLASS IIIa LASER PRODUCT
Diode Laser
Max Output < 5mW
Wavelength 532nm~660nm

ONLY USE SUPPLIED TRANSFORMER

IMPORTANT SAFEGUARDS

To reduce the risk of fire, electric shock, or injury when using any electric appliance, precautions should be made. These precautions include but are not limited to:

Read all instructions.

CAUTION! — Use only as directed. Improper use may result in damage to the eyes due to direct exposure to laser radiation.

This product has a polarized plug to reduce the risk of electric shock. It will therefore only fit into a polarized outlet one way. If the plug does not fit, reverse the plug. If it still does not fit, contact a qualified electrician. Do not use with an extension cord unless the plug can be fully inserted. Do not alter the plug.

This unit is certified as a Class IIIa laser product by the US Federal Laser Product Performance Standard (FLPPS) according to regulations in 21 CFR Subchapter J. Class IIIa laser products can be hazardous when directly viewed.

Avoid looking directly into Class IIIa lasers. This product, as well as other demonstration laser products like some laser pointers, are classified as Class IIIa laser energy levels. This product uses diffractive optics to scatter the beam of energy. 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 public areas it is recommended that up-close access to the light be restricted.

While the Class IIIa laser in this device may be hazardous on its own, it is encased in a protective housing and uses diffractive holographic optics, therefore users are not directly exposed to laser radiation during operation or maintenance. Each individual laser beam is less than 5mW, which is about the same as an average laser pointer.

DO NOT attempt to open the protective housing or operate the device if the aperture windows are damaged. If the unit requires service that involves removing the protective housing, contact the manufacturer. Opening the protective housing voids the warranty.

Use only three-wire outdoor extension cords that have three-prong grounding plugs, plugged into grounded outlets. Acceptable extension cord types:

> SW, SW-A, SOW, SOW-A, STW, STW-A, STOW, STOW-A, SJW, SJW-A, SJOW, SJOW-A, SJTW, SJTW-A, SJTOW, SJTOW-A
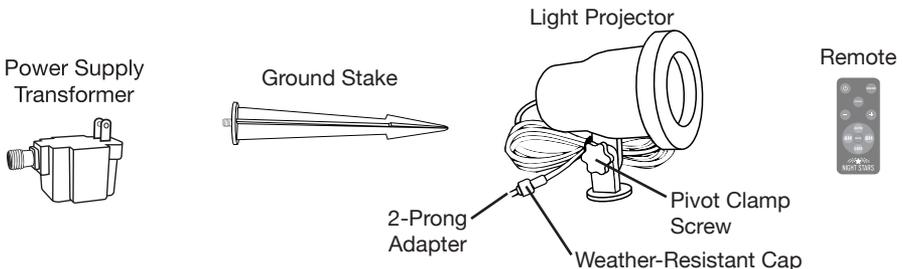
Ground Fault Circuit Interrupter (GFCI) protection is to be provided on the circuit(s) or outlet(s) to be used while operating portable laser light in a wet location. Receptacles with built-in GFCI protection are available for this purpose.

SAVE THESE INSTRUCTIONS

Before You Begin
Carefully unpack package contents to make sure all parts are present.
Some assembly is required.

Power Supply Transformer

Ground Stake

Light Projector

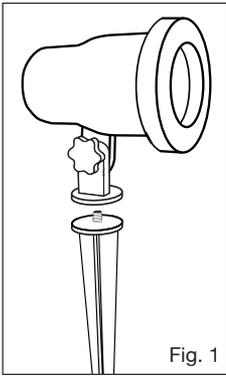Remote

2-Prong Adapter

Pivot Clamp Screw

Weather-Resistant Cap

Activating Remote

Pull the strip from the battery compartment on the back of the remote. To test the remote's battery connection, press any button and the LED will illuminate for 1 second. If the LED does not illuminate, open the battery compartment to make sure battery is properly installed.

Assembly

Screw the stake into the bottom of the light projector clockwise until tight (fig. 1). To adjust the angle of the light projector, loosen the pivot clamp screw by turning it counterclockwise. Once the angle adjustment is made, twist the pivot clamp screw clockwise until tight to secure (fig. 2).

Plug the 2-prong adapter into the power supply transformer. Screw on the weather-resistant cap tightly to help protect the connection from weather.

⚠ **IMPORTANT:** Point Night Stars directly at your home and never point Night Stars directly into the sky. Do not project Night Stars at or within the flight path of an aircraft within 10 nautical miles of an airport.
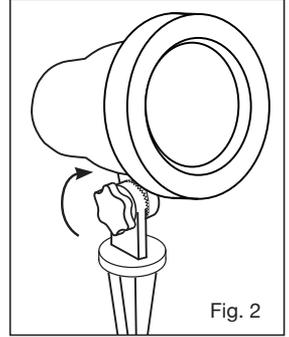
If the surface at which you intend to point the Night Stars laser is within 10 nautical miles of an airport, lower the angle so that it does not point into the sky. **Do not point laser light toward oncoming pedestrians, vehicles, or traffic routes on land, sea, or air.**

Fig. 1

Fig. 2

Operation

Press the button on the back of the laser unit to choose red laser, green laser, 16-color floodlight, any combination of the three, or off. Pressing this button also clears flash settings. See the below chart for remote operations. The remote can be used hand-held or mounted to a surface.

Light On/Off	**Change Light Color**
Press On/Off while unit is plugged in and remote will connect to unit within 5 seconds	Choose red, green, 16-color floodlight, or any combination of the three (Clears flash setting)
Flash Speed	**Flash Setting**
	Toggle between flashing or steady light
Auto Color	**Reset**
Sets the spotlight to automatically cycle through all 16 LED colors	Cancels timer settings
6-Hour Timer	**8-Hour Timer**
Sets the unit on a 6-hour on, 18-hour off daily cycle	Sets the unit on an 8-hour on, 16-hour off daily cycle
	LED Color
Range: Up to 11 yards	Change/select a steady floodlight color

NIGHT STARS

IF REMOTE IS NOT CONTROLLING THE LASER while you are within remote control range,
and if the remote LED comes on when you press the buttons, your remote may not be synced with the laser light. In this case, follow these syncing instructions:

Syncing the Remote:
Be sure you are within 5 ft. of laser to sync. Do not use an extension cord during syncing process.
1. **Remove the battery from the remote, then reinstall battery.** This resets the remote.
2. **Unplug the laser from the power source and wait 1 minute.** This resets the laser.
3. **With remote in hand, plug laser into wall outlet. QUICKLY, BEFORE 3 SECONDS PASS, press the ON/OFF button on remote AFTER plugging the laser in.** DO NOT press the ON/OFF button at the same time you plug in, it must be done within 3 seconds AFTER plugging in. DO NOT hold the button down.

Do not use an extension cord during syncing process. Once the laser is synced, it may be unplugged and used with an extension cord. Occasionally, re-syncing the remote with the laser may be necessary. In this case, repeat the steps above. To sync two or more lights to the same remote, unplug them all, then plug them back in at the same time. AFTER plugging them in, press the ON/OFF button within 3 seconds. Remove remote battery before long-term storage.

Notes:
- Only use supplied transformer connected to a properly grounded outdoor outlet.
- Do not use with dimmers.
- Operate in temperatures of -4℉ to 86℉. There may be a slight delay if operating below 55℉. Please allow up to 10 minutes for light to warm up and reach its full projection. Green laser startup time may take up to 30 minutes in temperatures below 14℉.
- When hanging the laser light, for safety purposes it is recommended to mount using a sturdy hanging clamp and safety cable.
- The laser light is weather resistant, but do not leave the laser or power supply transformer in standing water. If using with an extension cord outdoors where the power supply transformer may be exposed to weather, plug into a GFCI outlet only.
- Heavy snow can block the laser light. If heavy snow is expected, mount the laser light in such a way that it will not be covered by snowfall.

Product Specifications

Laser Classification	Class IIIa
Maximum Laser Power	(Single beam) Less than 5mW
Laser Wavelength	Green: 532nm / Red: 660nm
Laser MTBF	More than 5000 hours
Power Consumption	Up to 5 watts
Power Input	120VAC (when used with supplied transformer)
Operation	Indoor / Outdoor
Operating Temperature	-4℉ to 86℉
Maintenance	Maintenance free — no user serviceable parts
Remote Battery	23A (L1028), included
Warranty	Limited 1-year warranty