

# INSTRUCTION MANUAL

(NL) Gebruikte symbolen

(GB) Safety Precautions / (FR) Symboles utilisés / (DE) Verwendete Symbole / (PL) Stosowane symbole / (NO) Brukte symboler / (DK) Brugte symboler / (SE) Använda symboler / (FI) Käytetyt symbolit / (IT) Simboli usati / (ES) Símbolos empleados / (CZ) Použité symboly / (PT) Símbolos utilizados / (GR) Χρησιμοποιούμενα σύμβολα



Russell String 10 Solar RGBW  
107823

## Solar powered outdoor, waterproof/shatterproof LED string lights-with RGBW vintage style bulbs— for easy install for backyard and patio delight.

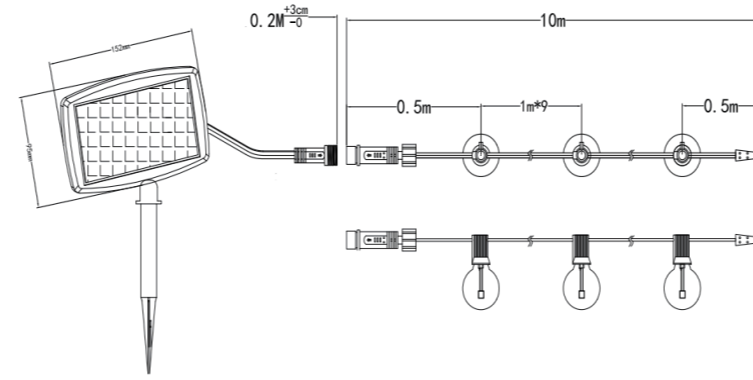
- 10 bulbs spaced 1m apart.
- **POWERFUL:** can run 6+ hours per night, following sunny day and 3+ hours following cloudy day. **And, NO ELECTRIC BILL!**
- Can serve as light canopy for outdoor weddings, reunions, birthdays and events... perfect for outdoor restaurants and bistros, and designed to last for years.
- Flexible cord outdoor patio string lights with RGBW E12 standard base, G40-style shatterproof bulbs for outdoor use.
- To be used as single strand, **NOT CONNECTABLE.**
- Warm glow matches relaxation-generating light-spectrum of candle and firelight.
- Light-spectrum also designed to NOT attract bugs.
- Use only supplied RGBW E12 standard base G40, Edison style bulbs.
- Auto on/off based on sunlight and darkness.
- Durable rubberized strands and light housings are flexible and easy to install with heavy duty uv resistant cable ties, eyebolts or other appropriate hardware.
- Continuous illumination or dynamic feature.
- Compact solar panel is attractive, takes little space and is easy to install.
- 10 bulbs are low energy, shatterproof, high efficiency, cool temperature, polycarbonate, G40 vintage style, E12 standard base LED bulbs.
- **INCLUDES** ground stake and mounting bracket for rail or wall installations.
- **NO ELECTRIC COST!**
- For cozy, romantic, relaxed mood for your patio, pergola, trellis, bistro, lanai, or campsite.
- Provides just the right illumination for cozy romantic mood, for your enjoyment, for outdoor entertaining and dining.

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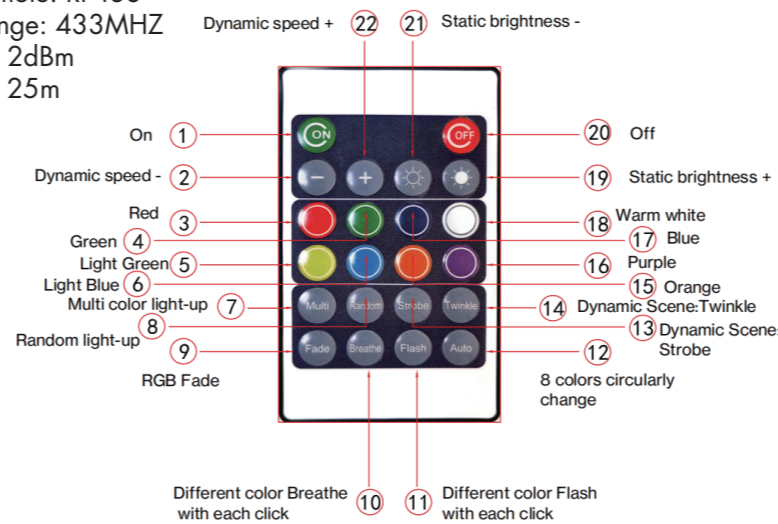
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## Remote Control Function

Type number remote: RF433  
RF frequency range: 433MHz  
Transmit power: 2dBm  
Coverage area: 25m



## Simplified Declaration of Conformity:

Hereby, FittinQ BV declares that the radio equipment type [designation of type of radio equipment] is in compliance with Directive 2014/53/EU.  
The full text of the EU declaration of conformity is available at the following internet address:  
www.qazqa.nl

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## Directions for Installation and Use

Read and follow **ALL SAFETY INSTRUCTIONS** before assembly, installation and use.  
**WARNING:** When using electrical lighting products, basic safety precautions must always be followed to reduce risk of electric shock, fire and personal injury.  
Retain instructions for future reference.

## CAUTION: Risk of Shock and Fire

This is an electrical product with inherent risks! To avoid risk of burns, fire, personal injury or electrical shock, it must be used properly and kept out of reach of children. It is not a toy!

- **USE ONLY** supplied RGBW bulbs, E12 standard base LED bulbs.
- Do not use for marking emergency exits.
- **DO NOT USE AC bulb.**
- Do not use within 5m of hot tubs, pools or spas or anywhere it might fall and become submerged in such liquid filled devices.
- Do not allow bulbs (lamps) to rest upon supply cord, electrical cord or any wire.
- Do not cover the light string or bulbs with paper, plastic, cloth or any other material.
- Do not hang ornaments, clothing or any other object from cord, bulb, wire or any other part of extension cord or light string.
- Do not remove bulbs or inspect product components unless disconnected from power source.
- Do not use where water can pool or accumulate near or around extension cord, bulbs, or either end of light string.
- Do not open bulbs—there are no serviceable parts inside.
- **Install** only using the recommended means of mounting.
- Do not operate product with missing bulbs or open sockets.
- **Not designed for permanent installation**—this is a seasonal use product.
- **Replace** missing bulbs promptly (before further use).
- Do not place near electric or gas heater, candles, fireplace or any other heat or combustion source.
- **Insure** that support object has sufficient structural capacity to support weight of light string and bulbs, even in high wind.
- Do not run cord or string through doors or windows, which upon closing could abrade or damage the wire coatings.
- Do not use product for other than its intended use.
- Exercise good sense, common sense and caution in accord with your intended use.
- Do not touch active bulbs as they are hot to the touch.
- Do not submerge in water or other liquid.
- Do not secure the wiring of this light string with sharp hooks, staples or nails.

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- Do not use on trees unless living, fresh, hydrated, mechanically intact and secure against breaking or tipping with no contact between bulbs or sockets and branches or leaves.
- If not installed and used per instructions, may cause excess heat or harmful interference.

## INSTALLATION: Warning

- **Disconnect power** at the solar panel before installing or servicing this product.
- **Tools needed for installation** (not included) include safety glasses, ladder, supporting hardware (based on your setting which may include eyebolts, brackets, heavy duty uv resistant cable ties and/or guide wire), pliers, thin gloves, screwdriver and scissors are commonly employed. Typical set up and installation time is 20-30 minutes.
- **STEP 1: INSPECT** Carefully remove components from packaging and lay them out on a smooth work-surface. Carefully uncoil light string. Inspect all aspects of product carefully.
- Return product to manufacturer if any part of the light string, cord, or connector is cut, damaged, cracked, frayed or if any connector or lamp-socket is damaged or loosened, or any wire is exposed.
- **STEP 2: SELECT LOCATION FOR SOLAR PANEL** and visualize where you would like the light string to be. Things to keep in mind:
  - Light string is 10m long. NOTE: The first 0.7m (from solar panel) have no bulbs.
  - Solar panel must face south in order to capture most energy from sun.
  - Solar panel can peg into the ground, or be mounted into railing, siding or other suitable support.
  - Solar panel uses light sensor for ON/OFF, so must be located away from nighttime illumination.
- **STEP 3: INSTALL BULBS** With light string un-plugged (no power), insert only supplied Bulbs with standard E12 base into each socket and gently tighten clockwise until fully seated in rubber seal. Do not over tighten.
- **STEP 4: INSTALL SOLAR PANEL, AND CHARGE BATTERY:** Once a suitable location is chosen, securely install solar panel with light panel facing south at an angle perpendicular to midday sun.  
Your options are as follows:
  - Using ground stake, place stake securely into ground in suitable location. Or,
  - Using screws to mount stake tube securely into wall or siding.
- **LET CHARGE ONE FULL DAY BEFORE CONNECTING LIGHT STRING.** Or alternatively precharge using micro USB cable (not included).
- **STEP 5: TEST** Connect the male end of the light string into the female end of the Solar Panel cord.

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On the back side of the solar panel, turn the switch to "ON". Then, test the bulbs by covering the solar panel with a dark towel (to activate the sensor). Check each bulb to see that it is lit up. If not, adjust tension on bulb.  
**STEP 6: INSTALL LIGHT STRING** with light string UN-PLUGGED (no power) attach "eyelet holes" to supporting structure or guide wire using smooth surfaced fasteners such as 12 gauge copper wire, eyebolts or brackets (not included), or heavy duty uv resistant cable ties.  
**NOTE: maximum unsupported distance is 6m.**  
**NOTE: use only appropriately rated wire (cable) for spans beyond 6m.**  
**NOTE: light sockets must hang downward, not sideways or upward.** This is to prevent water from getting in the socket.

Installation Method A: Using a guide wire with ties (not included).

Installation Method B: Attach to a structure (not included).

## ROUTINE MAINTENANCE

- Regularly inspect condition of fasteners and fix or replace if showing wear or insecure attachment or support.
- Regularly inspect condition of light string and power cord (from solar unit). If light string, sockets or any other aspect of light string or power cord are showing signs of abrasion or wear and tear, then discontinue use and properly dispose of.
- Regularly inspect light bulbs and replace only with RGBW DC standard E12 base LED bulbs if burned out or broken—after unplugging (disconnecting power source).

**CAUTION: DO NOT ATTEMPT TO CONNECT SOLAR STRINGS FROM END TO END. THEY ARE TO BE USED ONE STRING PER SOLAR PANEL ONLY.**

## DISCONNECTING & STORING STRING LIGHTS: Warning

- Carefully remove product from its support including trees, branches, or bushes in order to avoid any undue strain or stress on the product. Neatly wrap product and store in cool dry place protected from sunlight.
- When ready to reuse: FOLLOW THE SAME STEPS AS FOR INSTALLATION (SEE ABOVE).

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## INSTALLING OR REPLACING LIGHT BULBS

### WARNING-Risk of Electric Shock!

Disconnect power at connection near solar panel before replacing light bulbs. Never replace or install bulbs when rainy or wet.

- Work from a secure stable platform.
- Work when weather is calm and dry (no rain, ice or hail).
- Do not remove bulbs or inspect product unless disconnected from power source.
- Do not open or break bulbs—there are no serviceable parts inside.
- Do not operate product with missing bulbs and open sockets.
- Removal: while wearing thin gloves (to protect hands) remove bulbs by lightly gripping socket in one hand and rotating bulb counterclockwise with other hand.
- Replacement: while wearing gloves, insert new bulb, screw bulb into socket, in clockwise motion, until snug and forming tight seal. Do not over tighten.

## TROUBLE SHOOTING

- **No lights come on:** Check on/off switch to insure it is on. NOTE: it operates on a dark sensing photo-eye, so you must cover the solar panel with a dark towel (during the day) in order to test it out. Check connection point between light string and solar panel. Check solar panel to insure not covered with snow, debris or branches.
- **Bulb(s) burned out: DISCONNECT FROM POWER** and only after disconnected, remove affected bulb by gently gripping socket and turning bulb counterclockwise. Replace lamps only with RGBW DC, G40 style E12 standard base, LED bulbs.
- **Individual bulb(s) won't light: DISCONNECT FROM POWER,** and only after disconnecting from power, remove faulty bulb/s and check position of brass contact point at bottom of socket, which should be raised to approx. 20 degree angle to insure contact with bulb base. If necessary to raise the brass terminal, use a small flat bladed screwdriver to do 50 GENTLY and not repeatedly as to avoid breakage.
- **NOTHING WORKING?** Please consult a certified electrician.

**SOLAR PANEL CONTAINS LITHIUM BATTERY. DO NOT DISPOSE OF IN REGULAR TRASH. TAKE TO LOCAL BATTERY RECYCLING DROP LOCATION.**

Solar Information								
Dimming range/lumen/battery life	Full charging time	Life Cycle			Specification			
100% Constant	100% Flash	by USB-C	by Solar	Battery	Solar panel	Charging Port	Battery	Solar panel
20lm 6hrs	10hrs	2hrs	6-8hrs	300times	3years	USB-C 5V 1A	18650 Li-Ion 1500mAh	PET Polycrystalline 5.5V 1.5W

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# SAFETY INSTRUCTION

Please study the instruction manual and below information carefully before installing or using this product. Please keep this user manual for further reference

- The luminaires may only be installed by authorized and qualified technicians according the valid regulations for electrical installation.
- Maintenance of the luminaires is limited to their surfaces. During maintenance no moisture can come into contact with any areas of the terminal connections or voltage control parts.
- The electrical supply must be switched off at the outset, preferably by means of a switch in the distribution box, before any installation, maintenance or repair work is undertaken.
- Exterior lighting must not be installed during rain.
- Take account of the minimal separation distance from other objects and the room required around the fitting.
- If in any doubt, consult a professional, taking local installation requirements into account. Some countries stipulate that lighting may be installed only by registered installers.
- Clamping screws in electrical connections must be adequately tightened. This is particularly the case with 12V low voltage conductors.
- Clean with a clean, dry cloth or brush, use no solvents or abrasives. Avoid dampness on all electrical components
- Take account of all available technical information.
- Meaning of symbols:



This icon indicates the level of water-proof and dust-proof



Protection Class I: the fitting must be earthed



Protection Class II: the fitting is doubled insulated and does not require earthing



Protection Class III: the fitting is low voltage



Minimum distance from lighted objects (meters)



The type of lamp and maximum size and wattage indicated in each lighting unit must not be exceed; different items require different kind of light sources with different bulb icons



The armature is designed to work only with the indicated voltage. Different items require different working voltage.



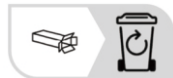
The luminaire can be used in combination with a dimmer



The luminaire can be dimmed by wall switch



The reference light angle and light space of the luminaire



This luminaire cannot be disposed together with normal domestic waste in standard rubbish can, but you have to bring it to a staging area for electrical waste

## 11. Take note of the symbols when connecting wires:



	(DE)	(GB)	(FR)	(NL)	(PL)	(NO)	(DK)
L	Stromführender Leiter	Live conductor	Conducteur	Spanningvoerende draad	Przewód prądowy	Strømførende leder	Strømførende leder
	Schutzleiter	Earth conductor	Conducteur de protection (terre)	Aardkabel	Przewód uziemiający	Jordledningen	Jordledningen
N	Neutralleiter	Neutral conductor	Conducteur neutre	Nulleider	Przewód zerowy	Nøytralleider	Neutralleider
	(SE)	(FI)	(IT)	(ES)	(CZ)	(PT)	(GR)
L	Strömförande ledare	Virtajohdin	Conduttore sotto tensione	Conductor de corriente	Vodič pod napětím	Condutor vivo	Ρευματοφόρος αγωγός
	Skyddsledare	Suojajohdin	Conduttore di terra	Conductor de protección	Ochranný vodič	Condutor de terra	Αγωγός γείωσης
N	Neutralledare	Nollajohdin	Conduttore neutro	Conductor neutro	Neutrální vodič	Condutor neutro	Ουδέτερος αγωγός