

GVM

RGB-T20R

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IMPORTANT SAFETY INSTRUCTIONS

This product is professional lighting and staging equipment and should only be operated by a qualified lighting technician or used under the supervision of a professional. Always follow the precautions below to ensure safe and proper usage.

1. Read the product manual carefully before use.
2. This product is only suitable to use in a temperature range of -10°C to 40°C.
3. Do not place the equipment near flammable and volatile solvents such as alcohol and gasoline.
4. Before storing the device, make sure it has cooled down completely. When being stored, unplug the power cord from the device. The equipment should be stored in its carrying case or a well-ventilated and dry place.
5. This lighting fixture is not for general illumination and should not be used as such. Individuals with eye injuries or sensitivity should avoid using this lighting fixture.
6. This is a professional light and children are prohibited from using it. Parents or guardians must closely supervise children when they are near the equipment to prevent personal injury caused by colliding with or misusing the equipment.
7. Before using the equipment, please remove the protective cover.
8. When the lighting fixture is on, it is forbidden to stare directly at the light source under any circumstances. High-intensity lighting should only be used under the guidance of a professional lighting technician. Avoid staying in a high-intensity light environment for a long time. If feeling any discomfort, please immediately turn off the lighting fixture, and seek medical attention.
9. When the lighting fixture is on, use it carefully and avoid contacting high-temperature components such as LED light sources to prevent being burnt.
10. Do not use damaged equipment or accessories. Wait for a professional repairman to inspect and repair it before it is confirmed that the equipment can function normally.
11. If the light source is damaged or deformed due to heat, please stop using it and contact the manufacturer, service agents, or qualified repairman promptly to replace the light source to avoid accidents.
12. If the product is cracked due to falling, squeezing, or strong impact during use, please stop using it to avoid electric shock by touching internal electronic components.
13. Do not disassemble the product by yourself. If the product malfunctions, it must be checked and repaired by the manufacturer or authorized repair personnel.
14. Before cleaning and maintenance, be sure to unplug the power supply. To unplug never pull on the cable but always pull the plug itself. This device shall only operate with earthed power outlets or emergency power generators.
15. When cleaning the device, do not wipe it with a wet cloth. Use a dry and soft cloth to wipe off the dirt.
16. If an extension cord is required, it needs to have the necessary capacity to power the respective unit. Using an extension cord with a lower current capacity than the devices need may cause overheating.

17. For some products with long power cords, please place the power cords properly and avoid contact with overheated surfaces that may damage or trip personnel. Please use the original power cords of our manufacturer. The damage caused by using non-original power cords is not covered by our repair service.
18. Do not use product accessories that are not recommended by our brand to avoid fire, electric shock, or personal injury.
19. Some products use batteries for power supply. Do not use any batteries, power sources, or accessories that are not specified in the user manual. Please keep batteries and other accessories out of reach of children and infants. If a child or infant swallows a battery or accessory, seek medical attention immediately. If the battery leaks, changes color, deforms, smokes, or emits an odor, remove it immediately. Be careful not to get burned during the removal. Continued use of such batteries may cause a fire, electric shock, or skin burns. Do not use any deformed or modified batteries. Do not disassemble or modify this product or the battery. Do not heat the battery or solder it. Do not let the battery come into contact with fire or water, or subject it to strong external force. Do not insert the battery's positive and negative ends incorrectly, or mix and use old and new batteries or different types of batteries.
20. For some products with built-in lithium batteries, please use a dedicated charger for charging, and following the correct operating instructions within the prescribed voltage and temperature range.
21. The warranty lasts for one year. Consumables like batteries, adapters, power cords, and other accessories are not covered by the warranty.
22. The one-year warranty will be invalidated if the equipment is found to have been repaired privately. The related repair costs will be charged.
23. Equipment malfunctions caused by non-standard operations are not covered by the warranty.
24. The safety instructions are based on our factory's strict testing. If there are any changes in the equipment's design and specifications, we reserve the right not to notify you. Customers can visit our official website to check the latest digital version of the instructions and learn about the newest product information.

Keep these instructions!



WARNING:

-  High-power LED lights are strictly prohibited from being directly viewed or shining into other people's eyes.
-  Do not unplug the power cord or connecting wires while the light is on to avoid personal injury.
-  Do not cover the heat dissipation port when the lamp is in operation.
-  Keep children away from touching or using this light.
-  As professional lighting equipment, please make sure to operate it correctly according to the user manual.

PRODUCT INTRODUCTION

Thank you for purchasing our “RGB-T20R”. This product is specifically designed for photography and videography enthusiast. This product is suitable for use in live stream /outdoor /studio and YouTube shoots.

The main features of the product are:

1. Step-less adjustable RGB color and Bi-Color temperature feature, hue / color purity / brightness / color temperature are all available Control at will, the color temperature range is 3200K~5600K. With 368 LED bulbs, it helps to restore and enrich the color of the object, to provide you with natural and vivid shooting effects.
2. It has an OLED display and a stable system, and it is very light and can be a hand-held fill light, and can also be installed on a light stand. You can also install foldouts to avoid extra light, and customize the fill light, allowing you to easily shoot the desired results at will.
3. The product can simulate 8 kinds of scene lights: lightning, cop car, candle, TV, bad bulb, party, disco, paparazzi.

We firmly believe that the correct use of this product will be of great help to your production workflow. It is strongly recommended that you read the following user guide carefully before using this product.

DISCLAIMERS

1. Before using this product, please read the text carefully to ensure that the correct operation of the product has been carried out. Failure to follow and not following the instructions and warnings in this document may cause harm to you and others around you, or even damage the product or other surrounding items.
2. By using this product, you are deemed to have carefully read the disclaimer and warning, understand and acknowledge all the terms and contents of this statement, and promise to take full responsibility for the use of this product and the possible consequences.
3. Design and specifications are subject to change without notice.

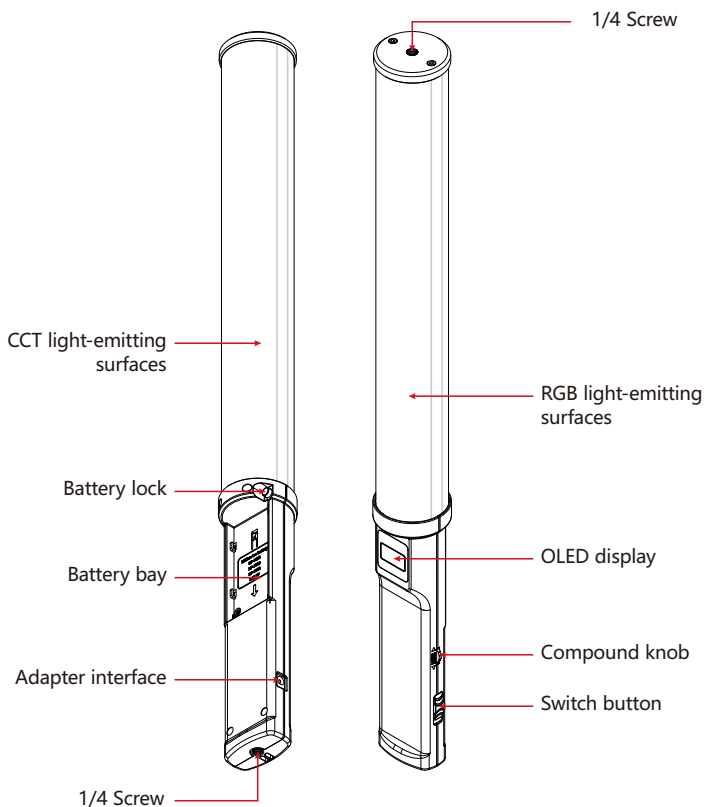
PRODUCT PARAMETER

- ◆ Brand : GVM
- ◆ Number : RGB-T20R
- ◆ Name : Photography Light
- ◆ Type : Photography Fifiill Light
- ◆ Function / Feature : High Color Rendering Index Light Beads, RGB Hue, Color-Purity, Scene Light Simulation, Portable
- ◆ Light Adjustment Method : Stepless Adjustment
- ◆ Color-Rendering Index : ≥ 97
- ◆ Color Temperature : 3200K~5600K
- ◆ HUE : RGB $0^{\circ}\sim 360^{\circ}$
- ◆ Illuminance : 514lux@1m; 1864lux@0.5m
- ◆ Number Of Light Beads : 368
- ◆ Power : 20W
- ◆ Weight : 0.47KG
- ◆ Size (mm) : D52×567
- ◆ Power Supply Mode : DC Input & Battery
- ◆ Voltage : DC9V
- ◆ Power Specification : DC9V/3A(Need to purchase a separate power adapter.)
- ◆ Battery Capacity : 7.4V-4400mah×1
- ◆ Cooling : Natural Heat Dissipation
- ◆ Material : Plastic
- ◆ Origin : Huizhou, China

PRECAUTIONS

1. Please use the matching power adapter or lithium battery with the same specification to power the product. Do not use power adapter with different output voltage parameters.
2. The product is not waterproof, please use it in a rainproof environment.
3. The product is not anti-corrosion, therefore do not let the product touch any corrosive liquid.
4. When using the product, make sure the product is put firmly and prevents falling and damage.
5. If the product will not be used for a long time, please switch off the power to reduce energy loss.

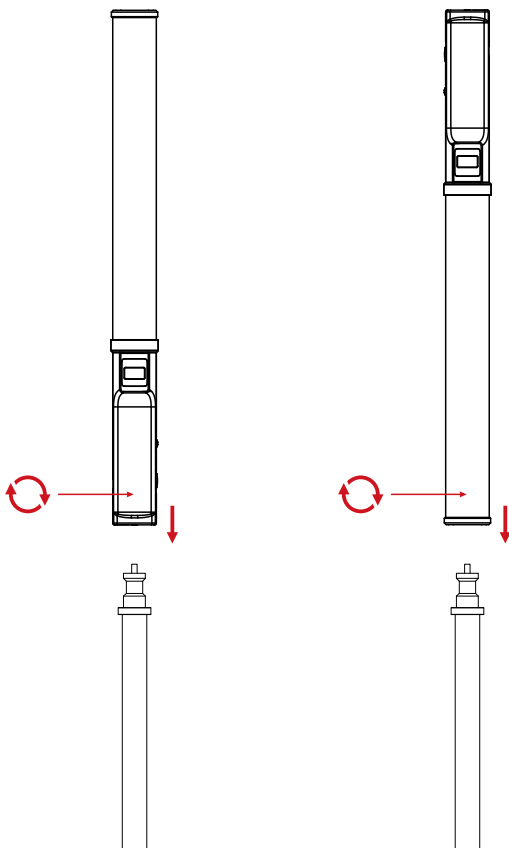
PRODUCT STRUCTURE DIAGRAM



This light has CCT and RGB two light-emitting surfaces, and both sides cannot be lighted up at the same time. Light up one side according to the mode and scene.

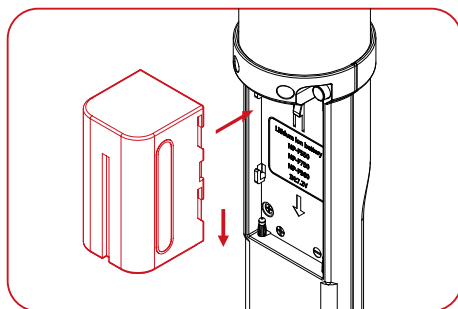
INSTALLATION METHOD

- ❶ The lamp can be installed and fixed on the bracket by rotating the knob clockwise, and unloaded by rotating in the counterclockwise direction.

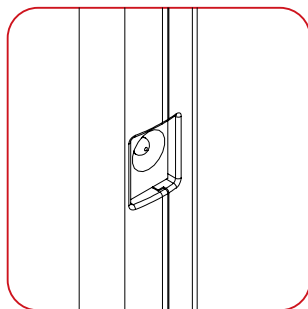


2 There are two power supply modes to choose from.

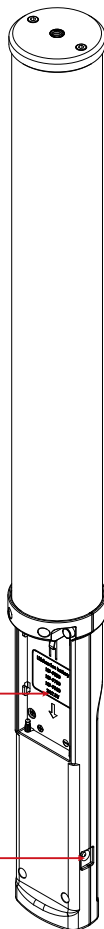
1. Insert the battery into the battery slot as shown in the figure below, and use the battery to supply power. Press the battery buckle while pushing the battery up to remove the battery Pool.
2. Purchase a suitable power cord and adapter separately, connect the power cord and The adapter supplies power.



Battery installation slot



Adapter interface
(Adapter sold separately)



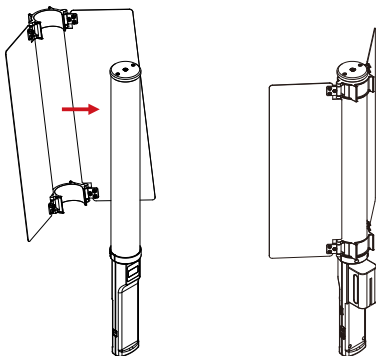
LIGHT CONTROL FOLDING INSTALLATION

Only some sets are equipped with the following accessories,
subject to the actual purchase of product kit.

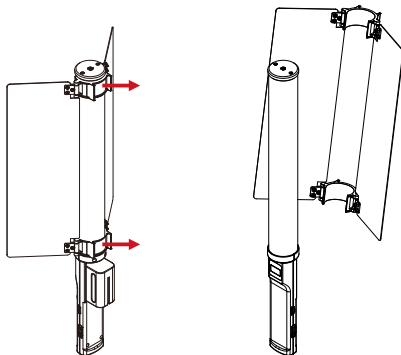
Light control folding:

By adjusting the left and right blades, the angle of light can be effectively controlled.

As shown in the figure below,
directly put the folding on the
downlight, you can install the
folding on the downlight.

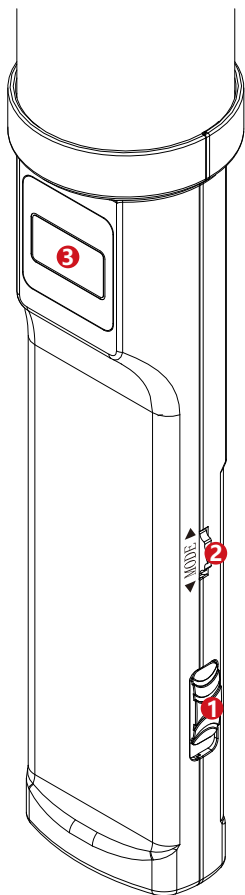


As shown in the figure below,
pull the fold-out directly to
remove the fold installed on
the downlight.



DESCRIPTION OF PRODUCT CONTROL KEYS

- ❶** Power switch
- ❷** Compound knob:
Long press-switch mode, Short press-adjustable parameters, Turn-adjust the currently selected parameter.
- ❸** OLED display:
Display the current menu and parameters.



FUNCTION INTRODUCTION & INSTRUCTIONS FOR USE

This light has CCT and RGB two light-emitting surfaces, and both sides cannot be lighted up at the same time. Light up one side according to the mode and scene.

① Mode selection:

Long press the Compound knob to switch modes, there are three modes:

Double color temperature(CCT): Adjustable brightness and color temperature.

Color(HSI): Adjustable brightness, hue, color purity.

Scene Mode(SCENE): You can set the scene light, there are 8 kinds of scene lights: Lightning, Cop Car, Candle, TV, Bad Bulb, Party, Disco, Paparazzi.

② Adjust the scene (SCENE):

Long press the composite knob to switch the mode to SCENE → short press the composite knob to select MOD → turn the composite knob to select the scene → short press the composite knob to select the parameter item to be adjusted → turn the composite knob to adjust the parameter of this item.

③ Adjust the brightness (BRG): range 0%~100%

Short press the composite knob to select BRG → turn the composite knob to adjust the parameters of this item.

④ Adjust color temperature (CCT): range 3200K~5600K

Long press the composite knob to switch the mode to CCT → short press the composite knob to select CCT → turn the composite knob to adjust the parameters of this item.

⑤ Adjust hue (HUE): range 0°~360°

Long press the composite knob to switch the mode to HSI → short press the composite knob to select HUE → turn the composite knob to adjust the parameters of this item.

⑥ Adjust color purity (SAT): range 0%~100%

Long press the composite knob to switch the mode to HSI → short press the composite knob to select SAT → turn the composite knob to adjust the parameters of this item.

USE AND PRESERVATION

Do not place the product in a high humidity, strong electromagnetic field, direct sunlight, or high-temperature environment. If the product will not be used for a long time, please disconnect its power and remove the battery.

Clean: Before cleaning, disconnect the power plug. And use a damp cloth instead of any detergent or soluble liquids to avoid damaging the surface layer.

Power: Make sure the power is within the demanded range, not too high or too low. Correctly load the battery, in order not damage to the machine.

Repairing: If there is a fault or performance degradation, do not unpack the shell by yourself, avoiding damage to the machine and losing the right of maintenance. When there is a fault, do not hesitate to contact us, and we will do our best to deal with the problem.

Accessories: Please use the accessories provided by the manufacturer and approved ones, to maximize the performance.

Warranty: Do not modify the product, or you will lose the right to maintenance.

QUICK TROUBLESHOOTING

Phenomenon	Check the product	Troubleshooting
The switch indicator does not light up.	1. Check the matching power adapter indicator light up or not.	Make sure the adapter is well contacted with the power plug.
	2. When using lithium battery, make sure there's no "low power" protection.	Charge the battery before using it.
In RGB mode, the lamp beads have no RGB color.	Check whether the saturation (SAT) value is too low or 0. The most obvious difference is color when the saturation value is 100.	Increase the value of color pure SAT.

PACKING LIST

Name	Quantity	Notes
Photography lights	1	
Lithium battery	1	
Battery charger	1	
Carrying Case	1	
User Manual	1	

PRODUCT WARRANTY

Dear user, this warranty card is important proof for applying for warranty service. Please cooperate with the salesperson to fill it out and keep it properly. Thank you!

Product Information	Model Number	Product Barcode
User Information	Name	Contact Number
	Mailing Address	
Seller Information	Name	
	Contact Number	
	Mailing Address	
	Sales Date	
Remarks		

Note: this form should be confirmed by the salesperson's stamp.

Applicable Products

This document applies to the products listed in the relevant "Product Warranty Information" (see instructions below). Other products or components that do not fall within this scope (such as promotional products, gift items, and other components added after the factory) are not covered by this warranty promise.

Warranty Period

The corresponding warranty period for products and components shall be executed according to the relevant "Product Warranty Information". The warranty period starts from the first day of purchase of the product, and the date of registration on the warranty card at the time of purchase shall prevail.

How to Obtain Warranty Service

You can directly contact the product salesperson or authorized service agency, or call GVM's after-sales service hotline to contact us and have our service personnel arrange service for you. When applying for warranty service, you should provide a valid warranty card as a warranty certificate to be eligible for warranty service. If you cannot provide a valid warranty card, we may also provide you with warranty service under the circumstance that our products or components are confirmed to be within the warranty scope, but this is not our obligation.

Cases where warranty does not apply:

If the product meets the following conditions, the warranty and service under this document will not apply:

1. The product or parts have exceeded the corresponding warranty period.
2. Malfunctions or damages caused by incorrect or improper use, maintenance, or storage, such as improper handling, use for purposes other than the reasonable expectations of the product, incorrect insertion or removal of external devices, falling or crushing due to external force, or exposure to inappropriate temperature, solvents, acids, alkalis, water immersion, or damp environments.
3. Malfunctions or damages caused by unauthorized installation, repair, modification, addition, or disassembly by institutions or personnel not authorized by GVM.
4. Modifications, changes, or removals of the original identification information of the product or its parts.
5. Lack of valid warranty card.
6. Malfunctions or damages caused by the use of unauthorized, non-standard or non-publicly released software.
7. Malfunctions or damages caused by force majeure or accidents.
8. Other malfunctions or damages not caused by quality issues of the product itself. In such cases, you should seek solutions from the relevant responsible parties, and GVM will not be held liable. Malfunctions or damages caused by components, accessories, or software not covered by the warranty or beyond the warranty scope that renders the product unable to function properly are not covered by the warranty. Fading, wear, and consumption that is normal during the product usage process are not covered by the warranty.

Product Warranty and Service Support Information

The product warranty period and service types are implemented according to the following "Product Warranty Information" for each product category, component, and optional equipment:

Product Category	Accessories Name	Warranty Period(Month)	Warranty Service Type
Component	Circuit Board.	12 Months	Customer service repair
Other	Spotlight mount, softbox, adapter, Standard reflector, power cord, battery handle, light stand, TYPE-C cable, battery slot, battery, Fresnel lens, grid, carrying bag and all other accessories, etc. Consumable or electrically sensitive parts are not covered by the warranty.	None	No Warranty

**QC
PASS**



GVM Official Website



Facebook

Huizhou Latu Film Equipment Co., Ltd.

Web: www.gvmled.com

B&H Email: bh@gvmled.com

GVM Email: support@gvmled.com

Amazon Email: amazonsupport@gvmled.com

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