

VOLTERREX

Powered by ISM Lighting

CONTACT

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VOLTERREX™



USER MANUAL & SAFETY INSTRUCTIONS

Read All Instructions:

WARNING: When using portable luminaires outdoors, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:


- a) Use only 110V NEMA 5-15 three-wire outdoor extension cords that have three-prong grounding plugs and grounding receptacles that accept the appliance’s plug.
- b) Ground Fault Circuit Interrupter (GFCI) protection is to be provided on the circuit(s) or outlet(s) to be used for the portable luminaire. Receptacles are available having built-in GFCI protection and are able to be used for this measure of safety.
- c) Use only with an extension cord for outdoor use, such as an extension cord of cord type SEW, SEOW, SEOOW, SOW, SOOW, STW, STOW, STOOW, SJEW, SJEOW, SJEOOW, SJW, SJOW, SJOOW, SJTW, SJTOW, or SJTOOW.

SAVE THESE INSTRUCTIONS!


This User guide contains important product safety, assembly and operational information, please read the guide carefully before set-up and usage of the Balloon light system.

Do not throw away, keep this user guide safe for future reference

The products contained in this user manual are subject to continual improvement and therefore are subject to change at any time without notice, the user guide contains the most up to date information at the time of printing, if you have any questions please contact Customer Support.



CALIFORNIA PROPOSITION 65
WARNING



This product may contain chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

For more information: www.P65Warnings.ca.gov

The Balloon Diffuser is considered a consumable item and as such is not covered by this warranty.

Any Modifications or non-approved parts are excluded from the warranty.

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Do not move or drive the vehicle while the Vehicle Hitch Mount and Balloon Light are mounted. Failure to do so could result in serious injury or death.

To remove reverse the above steps.

6.0 WARRANTY INFORMATION

3-YEAR LIMITED WARRANTY

The LED Balloon Light and associated parts purchased in the United States from an authorized dealer will be warrantied free from manufacturing and material defects for the period stated below, subject to limitations and exclusions.

To claim warranty all products must be registered within 90 days of purchase, please retain proof of purchase.

The product part number and serial numbers can be found on the side of the fixture, please retain these numbers and quote when ordering parts, require assistance or claiming warranty

WARRANTY PERIOD

The LED Balloon Light and associated parts purchased in the United States from an authorized dealer will be warrantied free from manufacturing and material defects for a period of three years for leisure and non-commercial applications from the date of purchase, subject to exclusions detailed below.

The LED Balloon Light and associated parts purchased in the United States from an authorized dealer will be warrantied free from manufacturing and material defects for a period of one year for rental and commercial applications from the date of purchase, subject to exclusions detailed below.

During the Warranty period any authorized dealer will, free of charge repair or replace at the manufacturers option any product or part deemed defective due to manufacturing workmanship or material defects as supplied.

Any replacement parts will be covered for the balance of the products warranty period.

WARRANTY EXCLUSIONS

Failures other than defects due to manufacturing workmanship or material defects which are the result of misuse and abuse are not covered by this warranty
Failures due to the use of parts that are not genuine approved parts will not be covered by this warranty.

1.0 SAFETY INFORMATION

1.1 WARNING - Electrical Shock

- Always disconnect the Light unit from the power source prior to moving, failure to do so may result in electrical shock, injury or death
- The light is rated at IP56 and can be used in wet locations but should never be immersed in water which may result in electrical shock, injury or death
- DO NOT touch the light with wet hands to avoid the risk of electrical shock.
- ONLY use 110V NEMA 5-15 three-wire outdoor extension cords that have three-prong grounding plugs and grounding receptacles that accept the appliance's plug.

1.2 WARNING - Weather and Environmental Conditions

- DO NOT operate in direct rain or snow.
- DO NOT operate when mounted on the tripod in winds that EXCEED 25 MPH, for use in winds exceeding 25 MPH the tripod must be lowered and be staked or weighted with sandbags to anchor to the ground.
- To Avoid the risk of fire or explosion always use in a well-ventilated area.

1.3 WARNING - Set up and Basic Operating Precautions

Set up and place the tripod on a flat level surface. Ensure that all legs of the tripod are fully extended and the T-bar screw knobs on the hub that connects the legs to the tripod center and at the base are firmly tightened to lock the legs in position. Only use the adjustable tripod leg for leveling when tripod unit is set up and before mounting the LED Balloon Light to the tripod, ensure the tripod is stable before mounting the light unit.

Whenever possible, firmly fix the tripod to ground with metal stakes for additional stability.

Never move or transport a fully assembled LED Balloon Light when mounted on the Tripod. When the light is required to be moved or transported power off the light and disconnect from the power source, remove the light unit from the tripod, place in the carry bag and then close the tripod.

The Balloon diffuser cover **must** be fitted to the light unit prior to operation, do not operate the light without the diffuser as this could temporarily affect vision due to high lighting levels, never stare directly at the LED panels without the diffuser.

Before using the LED Balloon Light ensure that it is properly mounted to the tripod. fully tighten the two screw knobs on the fixture and slide the cotter pin fully through the mounting base before use.

Before raising or retracting the mast on the tripod, be sure that the two T-knobs are fully loosened. Raising or retracting the unit without loosening the T-knobs could result in damage to the product and/or serious injury or death.

Ensure the T-bar screws are fully tightened for transportation to ensure the tripod cannot open.

Never power and operate the light while in the carry bag.

If your receptacle does not contain a ground pin, connect the ground lead of the machine to the ground terminal of the power source.

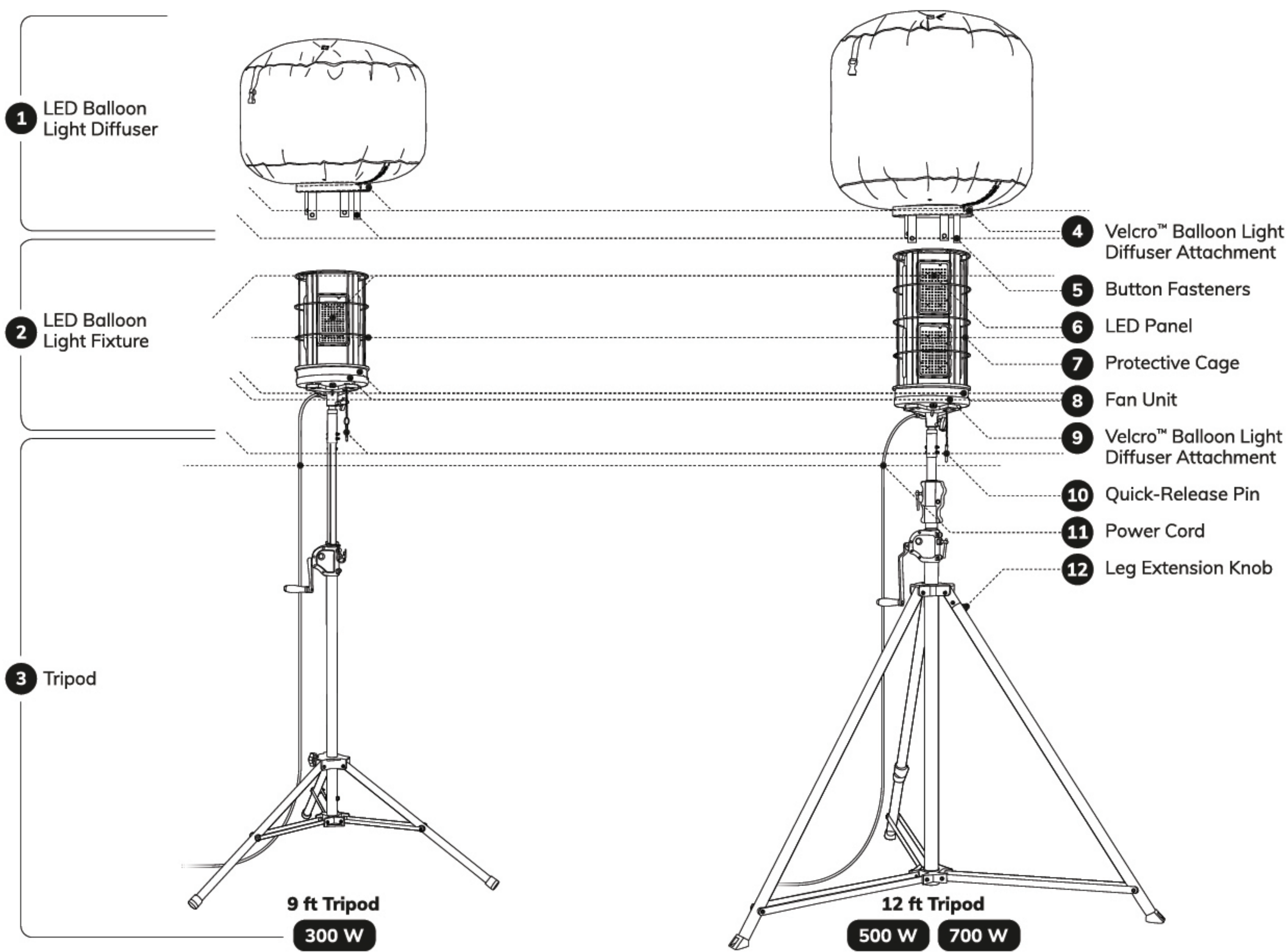
Extension cords should be protected by a tough flexible rubber sheath (IEC245) or the equivalent to withstand mechanical stresses.

DO NOT touch LED unit when product is illuminated. This may result in burns or other serious injury. Wait at least 10 minutes after turning power to the unit off before handling.

CAUTION: MODIFICATION TO UNIT

The light unit should not be modified or disassembled by the end user, Modifications and removal of parts may lead to serious harm or death. Any repairs should only be performed by authorized service agents. Any modification or removal of parts nullifies all warranties and may lead to serious harm or death.

2.0 PRODUCT DESCRIPTION

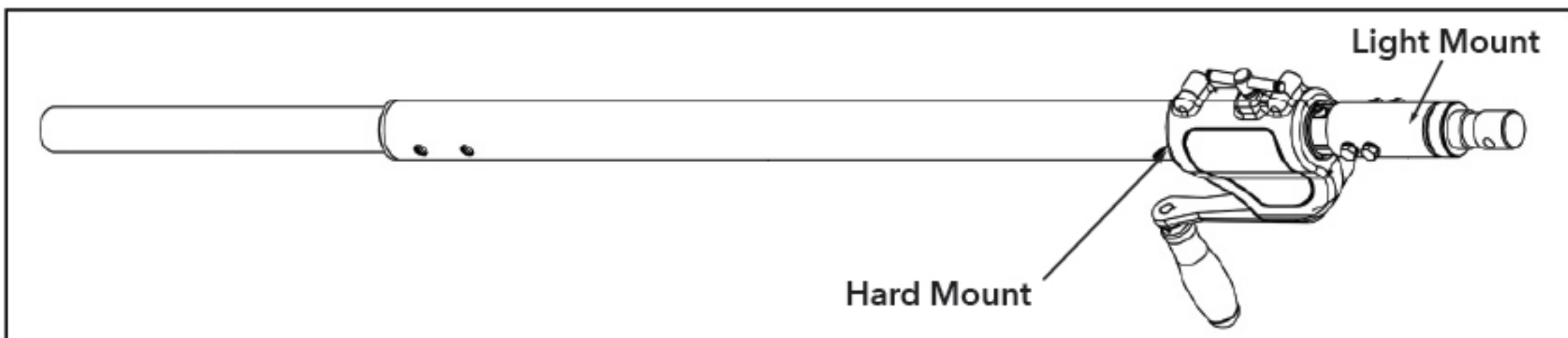


To ensure safety and prevent injury it is recommended to use two people when mounting.

Warning, failure to mount to a strong enough location, insufficient tightening of the hanging clamp system, improper mounting of the clamp system to the light unit can lead to falling objects, unsafe installed equipment and serious injury or death.

If in doubt use a suitably qualified person to install the hanging clamp system.

PAVER MAST

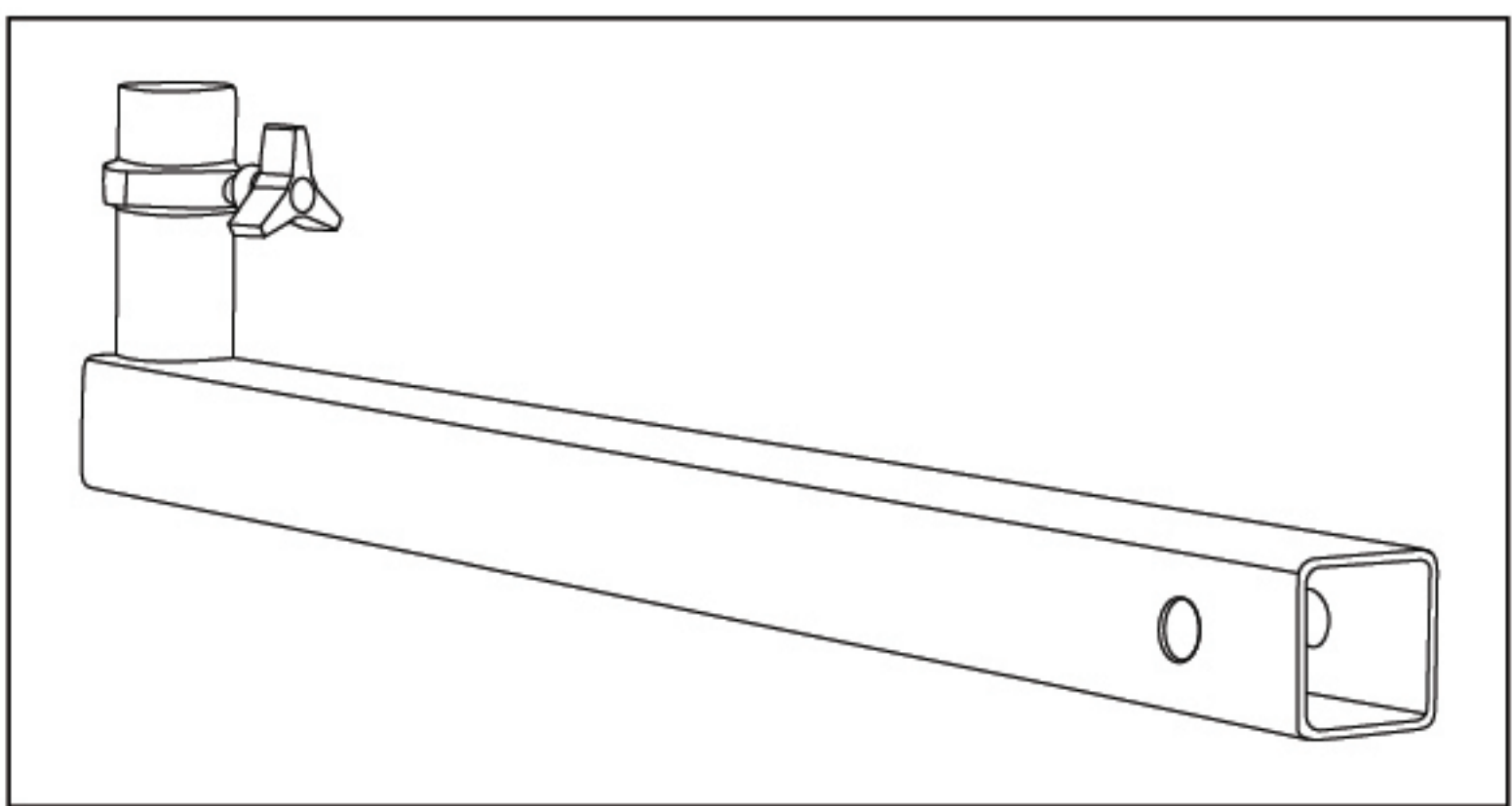


Telescopic hand crank mast for directly mounting a Balloon light to any make of Paver machine,

Dependent on the make and type of Paving machine the mast can extend to a height between 5ft to 9ft.

Call Customer Support for detailed manufacturer specific applications.

VEHICLE HITCH MOUNT



The Vehicle Hitch Mount allows for the mounting of Balloon light units to be used in conjunction with a 2 inch hitch receiver on a vehicle. The Truck Hitch Mount puts your light up to 9ft above the hitch with enough clearance to open the tailgate on most vehicles.

Typical applications include tailgate parties, emergency checkpoints, work sites and more.

Install the Hitch mount to the vehicle before mounting the Balloon light.

To fit align and insert the trailer hitch mount with the hitch receiver until the hole on the receiver is aligned with the hole on the mount, secure in position with a standard trailer hitch pin.

Once the mount is inserted and secured, inset the telescopic mast into the mast clamp, turn the clamp screw and tighten to securely fix the mast in place.

Proceed to mount the Balloon light to the mast and secure with the light mount screws and safety cotter pin, connect to power source.

5.0 MOUNTING ACCESSORIES

In addition to the tripod mounts we offer several alternative mounting solutions

Safety Warning - when the light unit is to be hung or suspended you must ensure that the supporting structure is strong enough to hold the weight of the light unit prior to mounting.

Additionally, the light unit is fitted with a safety cable, The safety cable is an additional safety feature when mounting a light unit.

Using the safety cable and attached carabiner, clip the carabiner to a stable secondary source of mounting or back to the safety cable itself. Always use the safety cable when hanging the unit.

The safety cable is an additional safety feature and MUST not be used as the primary mounting method for the light unit for mounting or suspension.

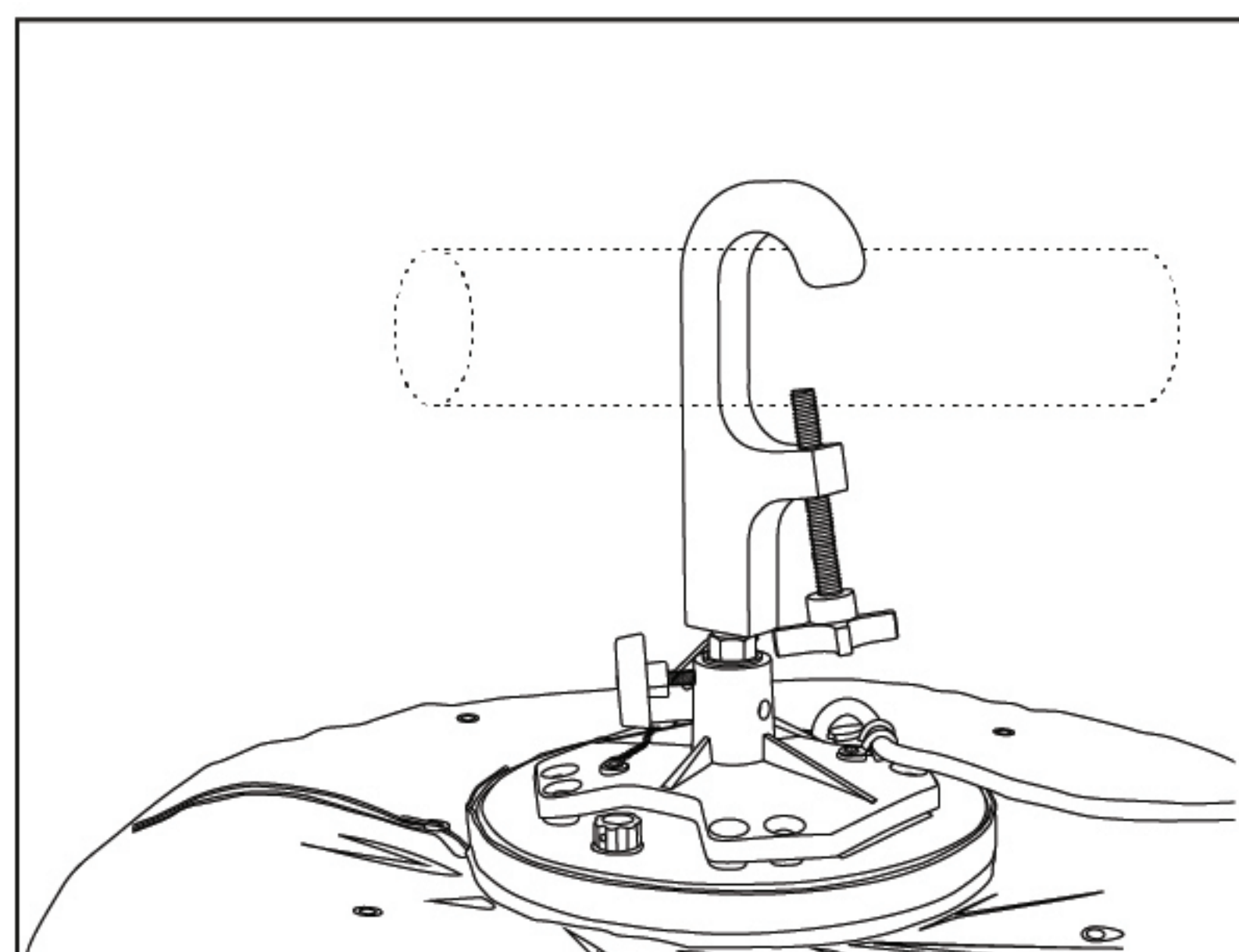
HANGING CLAMPS



The clamp system comes in two different sizes, a 2" pipe clamp and 4" pipe clamp.

When using the hanging clamp system, first make sure the mounting location is suitable for the selected clamp and is strong enough to mount or suspend heavy objects exceeding the weight of the light unit.

Install the clamp into the light unit by simply sliding the clamp mount adapter into the light unit mount receptacle. Then firmly tighten the 2x screw knobs locking the clamp in place and then fully insert the safety cotter pin.

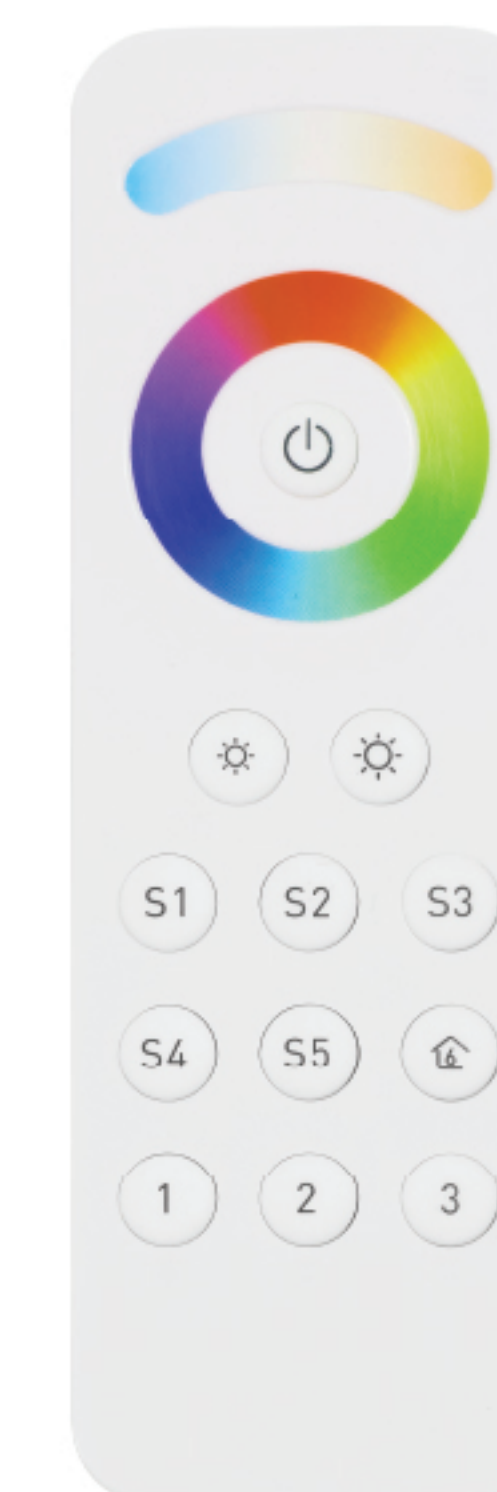


Open the clamp jaws sufficiently to fit over the mount location, hold the light unit firmly in position and firmly tighten the clamp to lock the light unit in position. Confirm the position while holding the balloon light in place and firmly tighten the clamp down on the mounting location finally use the provided safety cable to loop around the pole the clamp is on and hook it back onto itself.

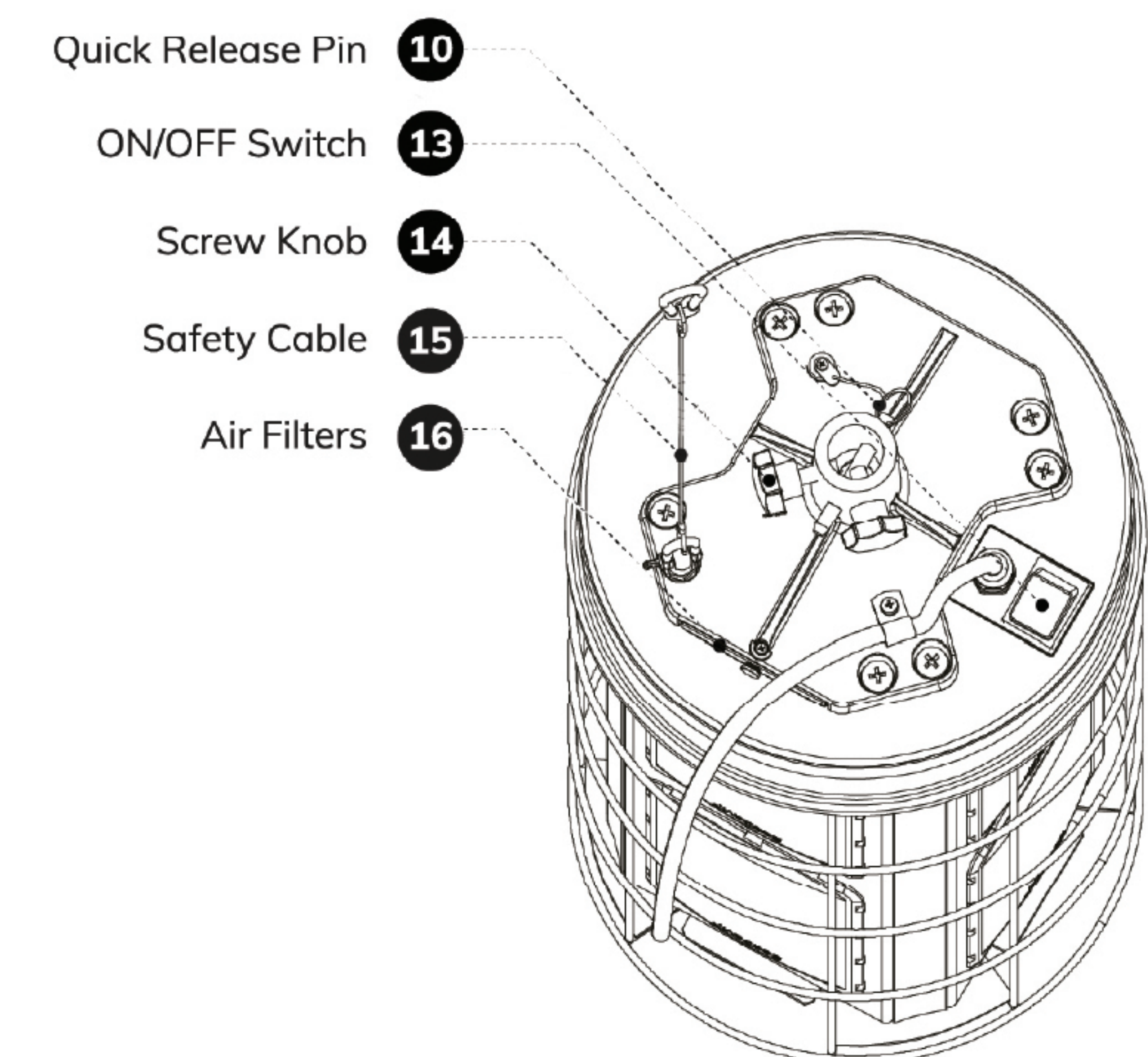
Light Power and Operation - The light is powered on/off by plugging or unplugging the light into a standard US 110v NEMA 5-15 3 pin socket.

The RF Remote control can be used to switch the light on/off, pre-set brightness settings and continuous dimming from 10% to 100% brightness.

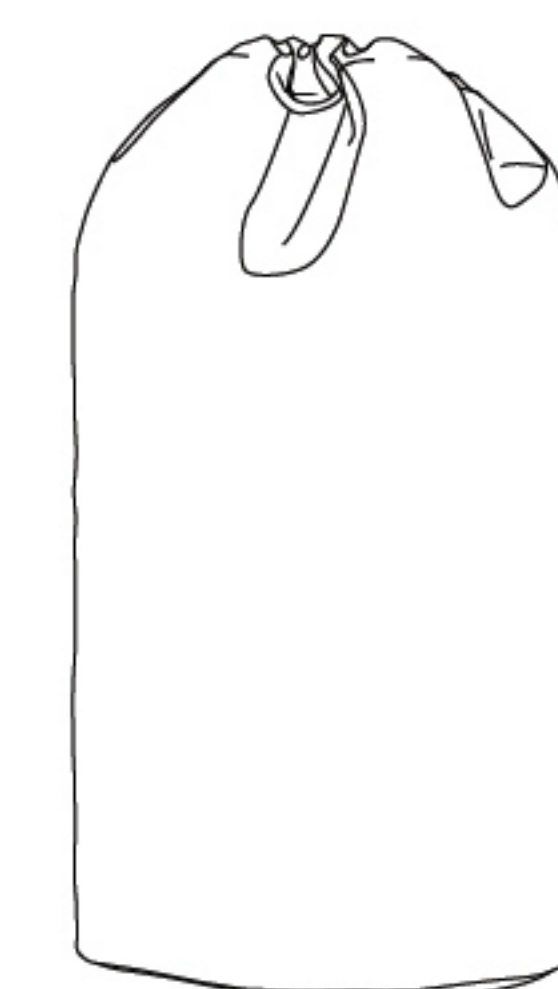
RC Remote Control



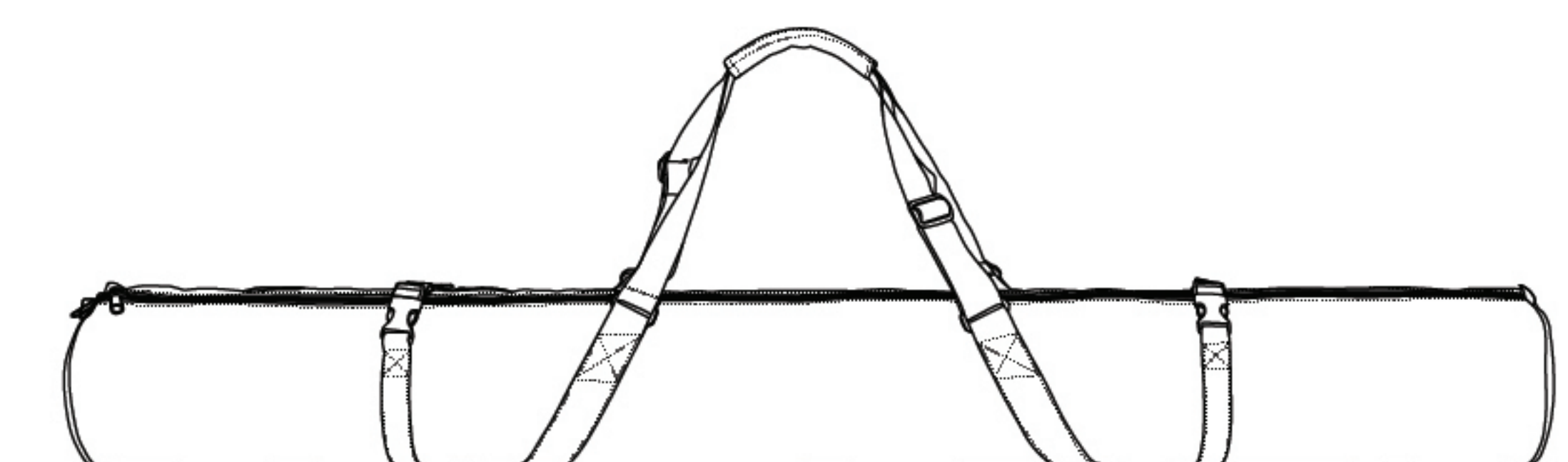
LED Light Unit Bottom View



Accessories



LED Balloon Light
Fixture Carrying Case



Tripod Carrying Case

3.0 OPERATION

3.1 Set-up the Tripod and mount the light unit

Tripod Mount - Screw the adapter into the base of the light fixture, ensure the mount is tightly fitted, before fitting to the tripod ensure the tripod is securely located as described in section 1.3.

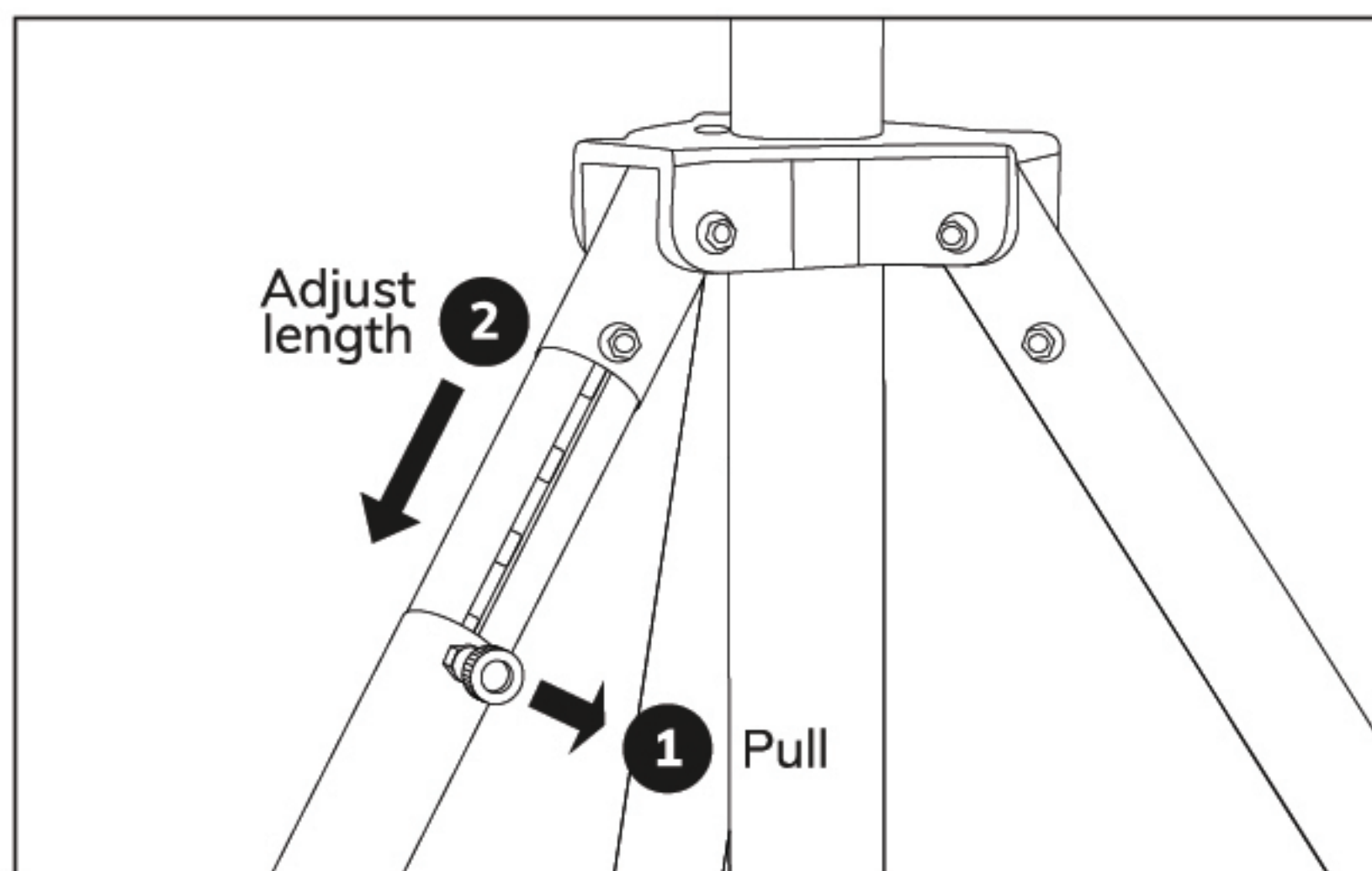
Precautions - always set up the tripod on level ground wherever possible, it is possible to set-up on uneven or sloping uneven ground by using the adjustable third leg to level the tripod. Once the tripod is level check it is completely stable, if necessary, stake the tripod to the ground or weigh down with sand bags.

If the tripod is unstable, tipping or falling over of the tripod could result in serious injury or death.

Take out the tripod from carrying case.

Hold the tripod upright, with the three legs on the bottom.

Release the transportation strap which secures the 3 legs together for safe transportation

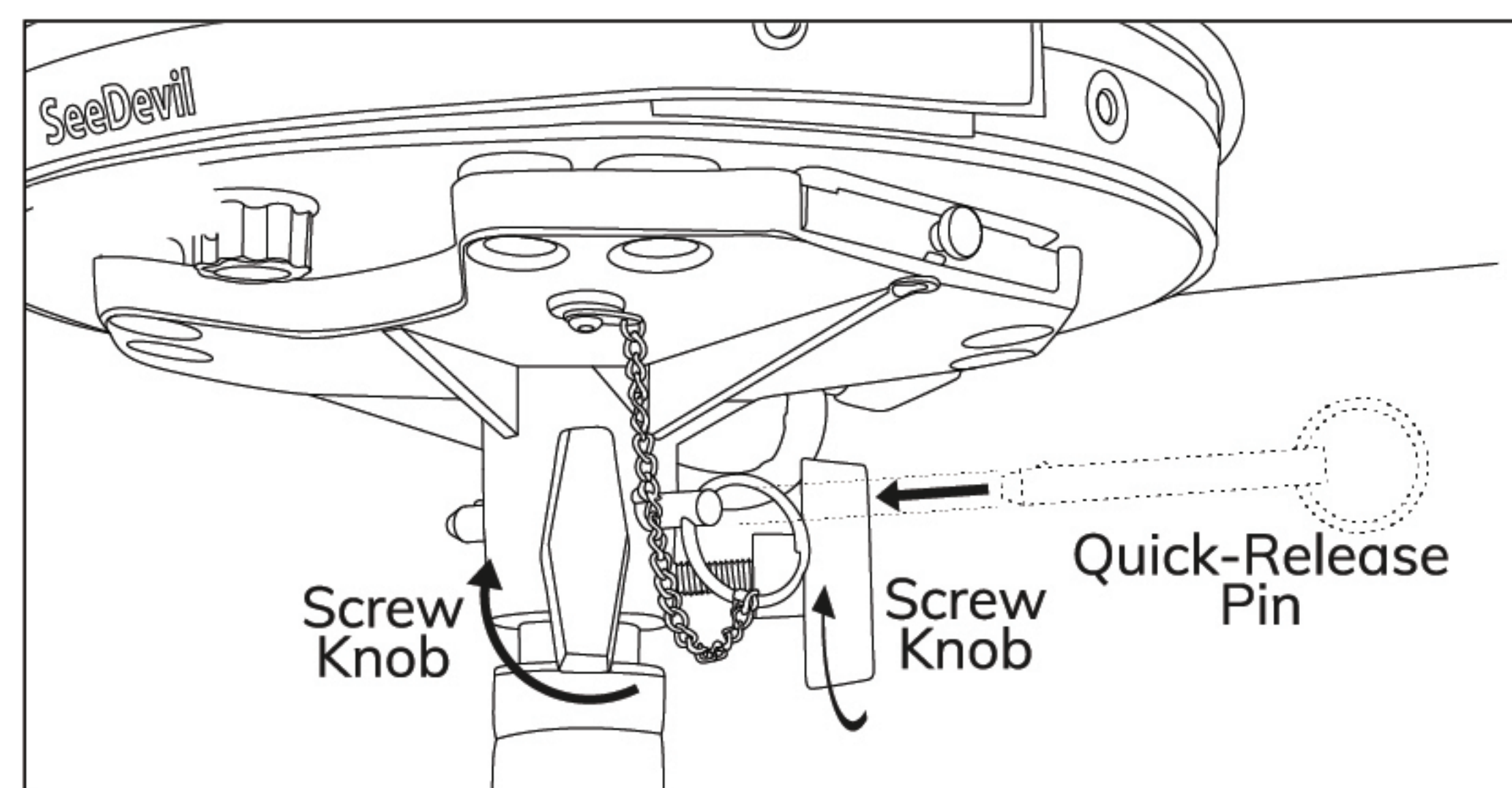


Unscrew the T-bar screw on the sliding hub and push the hub downward spreading the 3 legs and moving the hub to the fully down position ensuring the legs are fully extended and the leg struts are horizontal to the tripod mast.

Retighten the T-bar screw at the bottom of the center tube.

As noted in the Precautions above, before mounting the light unit, ensure the tripod is level and stable, if necessary, on uneven or sloping surface, use the leg adjustments to increase or decrease leg length to ensure stability.

DO NOT attempt to adjust the leg with a light unit mounted as this could cause the tripod to topple and cause severe injury or death.



4.0 CARE AND MAINTENANCE

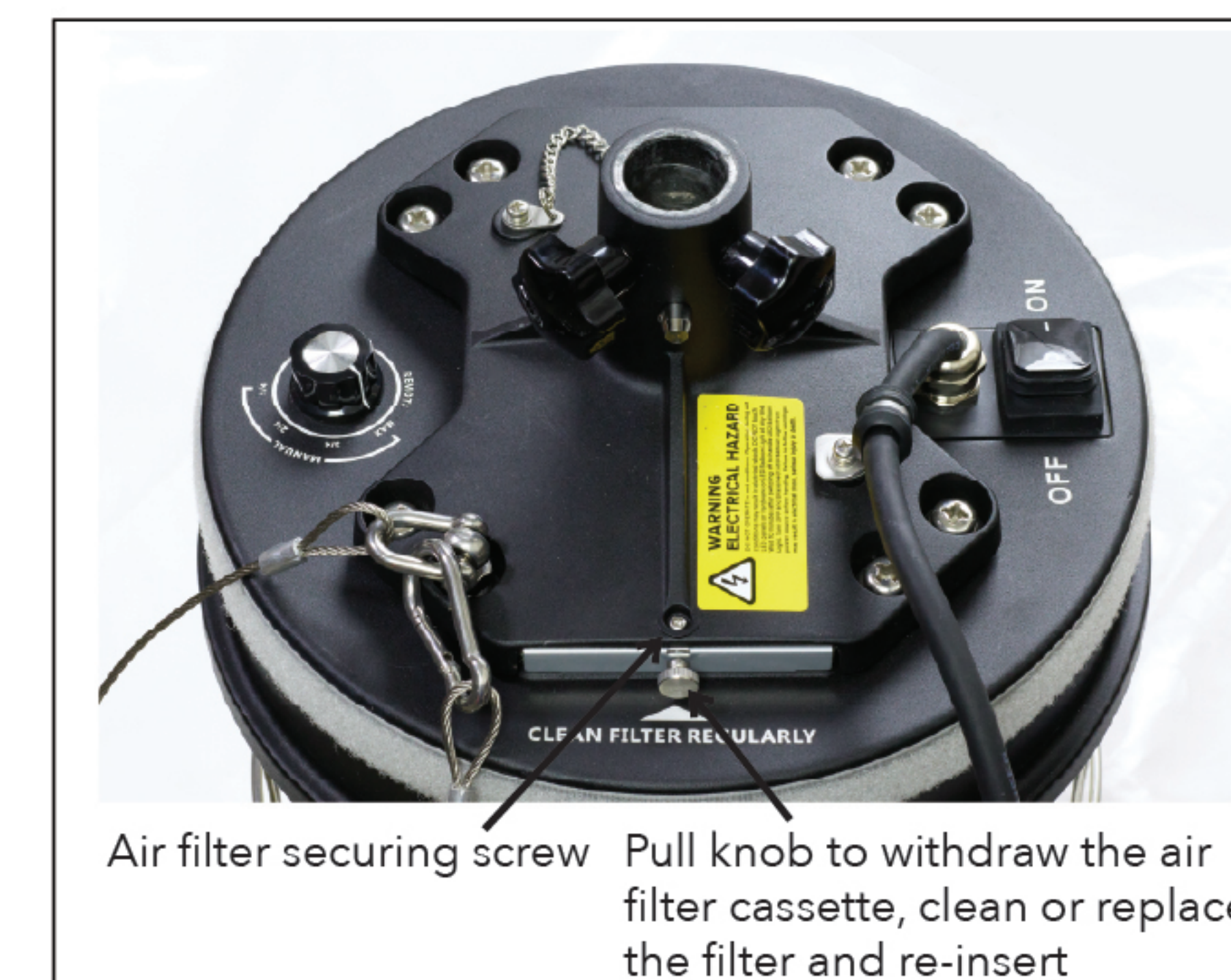
It is recommended to clean down the light unit and tripod after each use to maintain peak performance.

Before any maintenance activities, make sure the light unit is turned off and disconnected from any power source and allowed to fully cool.

Remove the Light Diffuser. The external surface of the diffuser may be cleaned with warm water and a mild soap solution. The inside of the diffuser must only be cleaned with warm water.

The foam air filter should be checked and cleaned at regular intervals. First remove the filter securing screw holding the filter in place. Then remove the filter cassette

and clean the foam pad using low pressure compressed air or a damp cloth to remove any dirt or debris. Reinsert the clean filter cassette and reinstall the securing screw locking the filter cassette in place. If a replacement sponge filter is needed, please contact Customer Support.



To Clean the light unit hardware, use low pressure compressed air and a soft bristle brush blow and clean out the interior and exterior of the light unit.

It is recommended to clean and maintain the tripod after each use to ensure long term performance, wipe with a cloth and mild soap warm water. Make sure the tripod is fully dry before storing in the carry bag.

Always store the light unit and tripod in their respective carry bags to prevent damage and provide maximum protection during transport and storage.

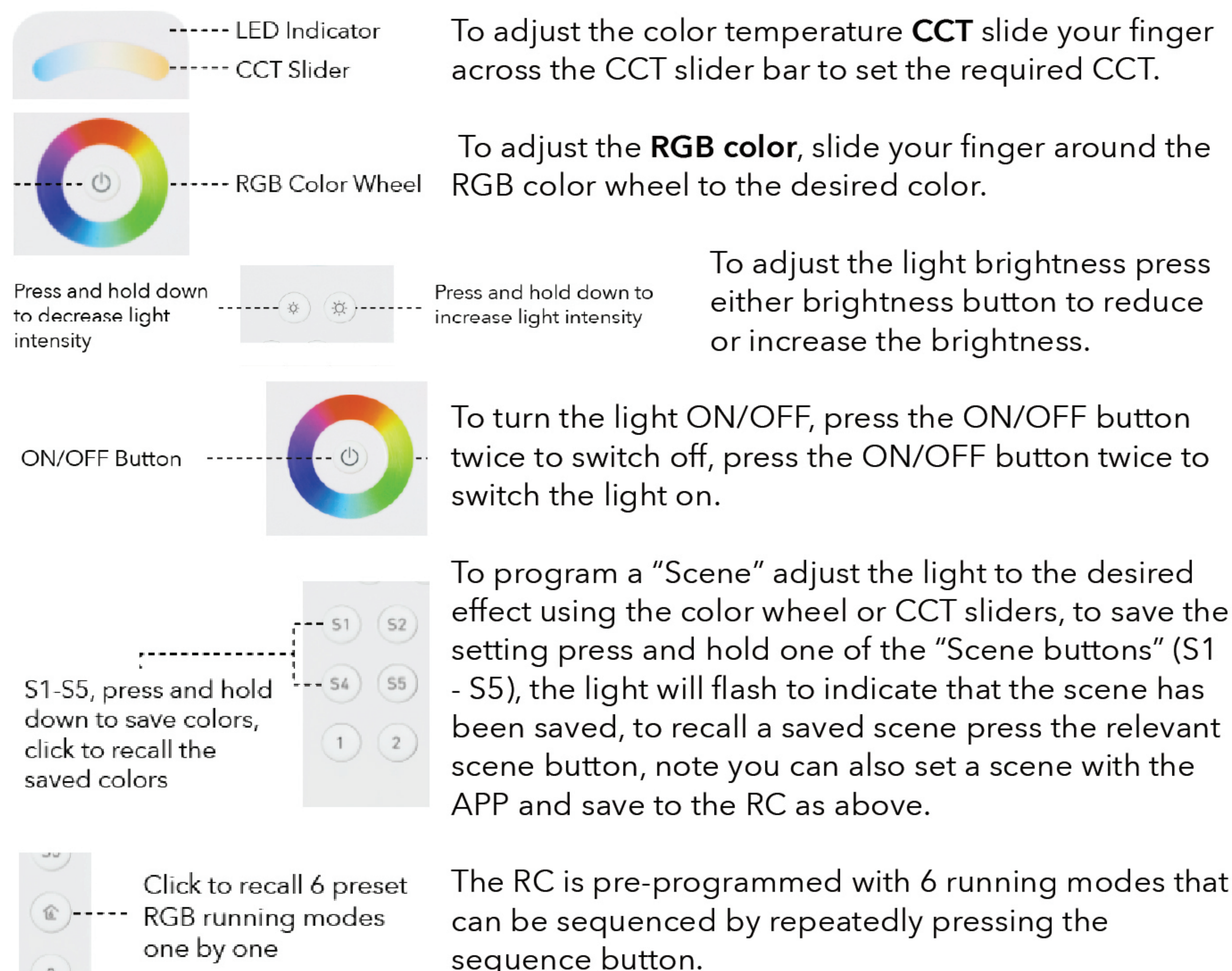
If the units are used in wet conditions, always clean and dry completely before storage or transportation

Store in a clean and dry place.

If during maintenance any damaged parts are identified, please contact customer support for advice and replacement.

RC Operation

After a period of inactivity the RC goes into sleep mode to conserve battery power, press any button to activate the RC, once active the "Zone" red led will be lit.



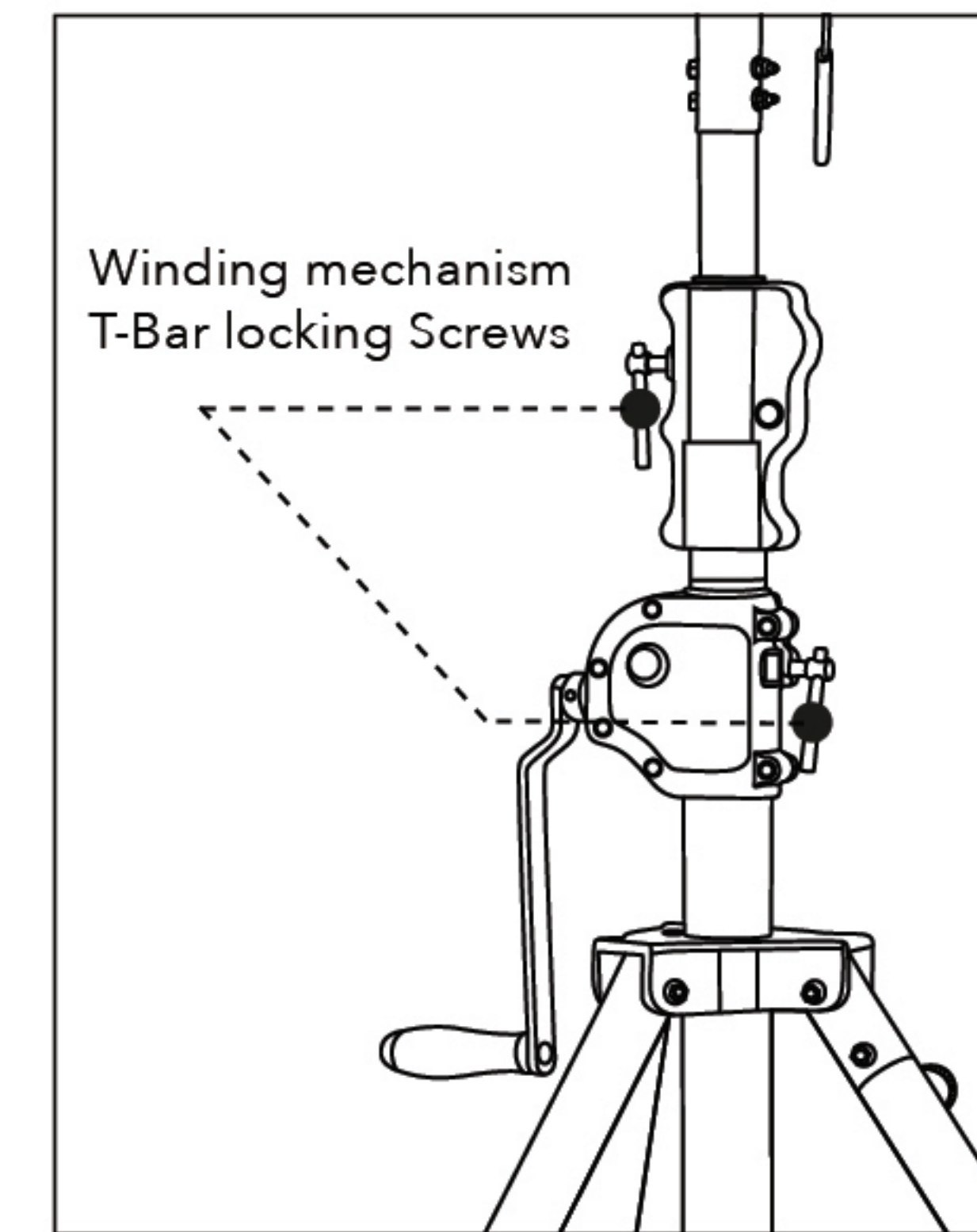
Keep short pressing the button  to get the 6 preset RGB running modes as follows:

1. R fade out -> G fade out -> R fade in -> G fade in -> B fade out -> R fade out, cycle
2. R fade out -> R fade in -> R fade out, cycle
3. G fade out -> G fade in -> G fade out, cycle
4. B fade out -> B fade in -> B fade out, cycle
5. R+B fade out -> R+B fade in -> R+B fade out, cycle
6. R+G+B fade out -> R+G+B fade in -> R+G+B fade out, cycle

Mount the light unit - Once the tripod is located and stable its safe to proceed to mount the light unit, to ensure safety and prevent injury it is recommended to use two people when mounting.

Loosen the 2 black screw knobs on the bottom of the light units' mounting receptacle.

Slide the light unit mount receptacle onto the tripod mount adapter, rotate the light unit to align the hole in the light mount with the hole in the tripod mount, fully insert the safety cotter pin ensuring it is protruding the other side of the mount receptacle and then securely tighten the 2 black screw knobs to safely secure the light unit to the tripod.



Raising the Tripod - With the Light unit with the balloon diffuser fitted (see section 3.2) secured to the tripod it is now safe to extend the tripod to the required working height, it is important to firstly loosen the 2 T-bar screws on the rear of the winding mechanisms, failure to loosen the screws could damage the winding mechanism, this will allow the winding mechanism to freely raise and retract.

Power ON the light unit (see section 3.3) before raising the tripod, use the crank handle to raise the tripod to the required height, paying special notice of the prevailing environmental and weather conditions.

The tripod mast has red limit lines, you must not extend the tripod past these limit lines failure to do so could cause the tripod to become unstable and cause injury or death.

Lowering the Tripod - To lower the tripod mast ensure that both T-bar screws are loose, failure to loosen the screws could damage the winding mechanism. Using the crank handle, lower the tripod mast until the mast is in the fully lowered position.

Power off the light unit and disconnect from the power source. Allow light unit to cool for a minimum of 10 minutes before handling.

Once cool remove the light unit by loosening the 2 screw knobs on the mount receptacle and remove the safety cotter pin, lift, and remove the light unit from the tripod and aside to the light carry case to prevent damage to the light and diffuser. Tighten the 2 T-bar screws on the back of the winding mechanisms to lock the mast during transportation.

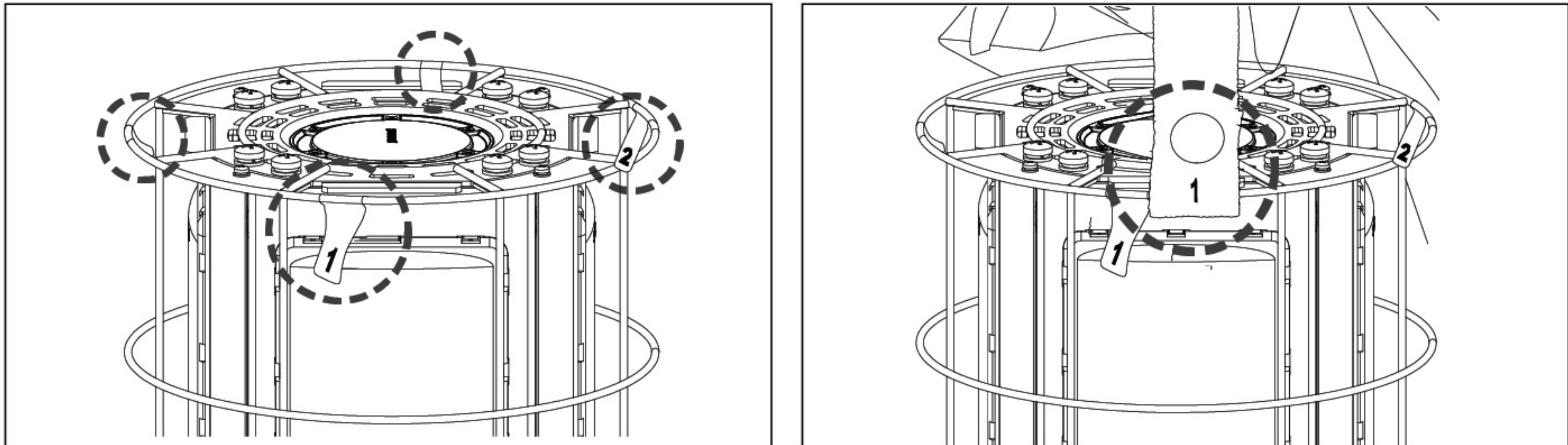
Loosen T-bar screw on the sliding leg hub at the bottom of tripod.

Slide up the hub to close the tripod. Avoid trapping or injuring hands and fingers, when the tripod legs are fully retracted tighten T-bar screws and wrap the transportation strap which secures the 3 legs together for safe transportation Place tripod in carry bag for secure travel.

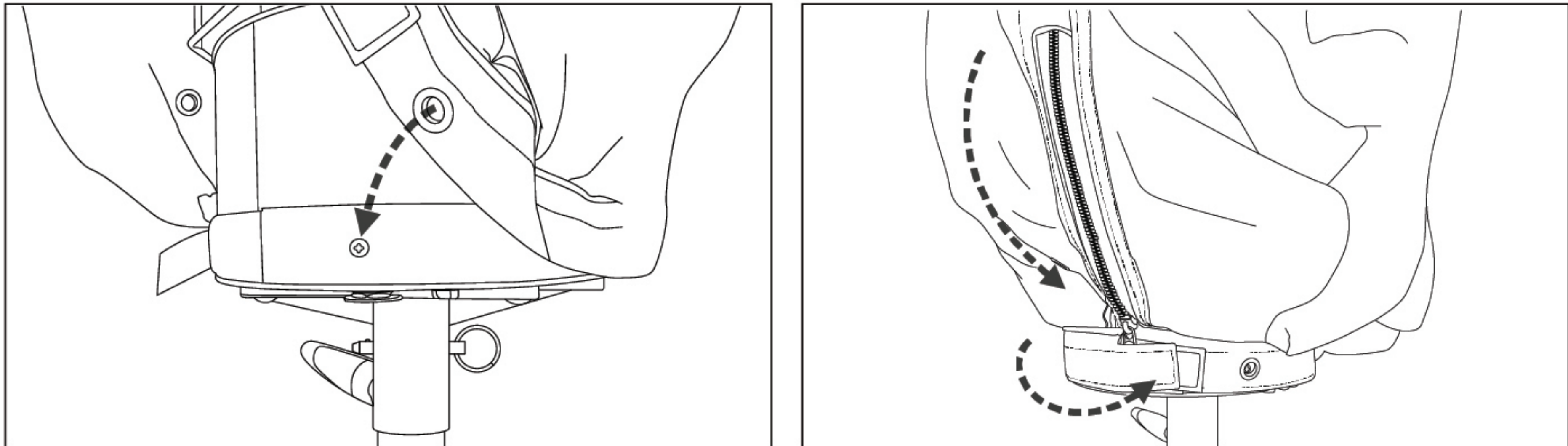
3.2 Preparing and fitting the Balloon Diffuser

Remove the LED Balloon Light Diffuser from packaging unfold and unzip the zipper on the diffuser.

Locate the numbered button studs on the anchor straps inside the balloon light diffuser.



Match the numbered button straps to the numbered tags on the light cage and press the studs around the metal support cage to secure the strap to the light cage, repeat for the corresponding numbered straps until all four are fixed in place in the correct sequence ensuring that the straps are not twisted as this could distort the diffuser once inflated.



Pull the diffuser down over the light cage ensuring the straps stay roughly aligned with the numbers on the cage, align the metal eyelet in the collar of the Balloon Light Diffuser's Hook and Loop collar around with the screw on the Hook and Loop band around of the light unit as above.

Firmly and evenly fasten the Hook and Loop collar around the light unit base, Zip the zipper closed, the diffuser is now fitted and ready to use.

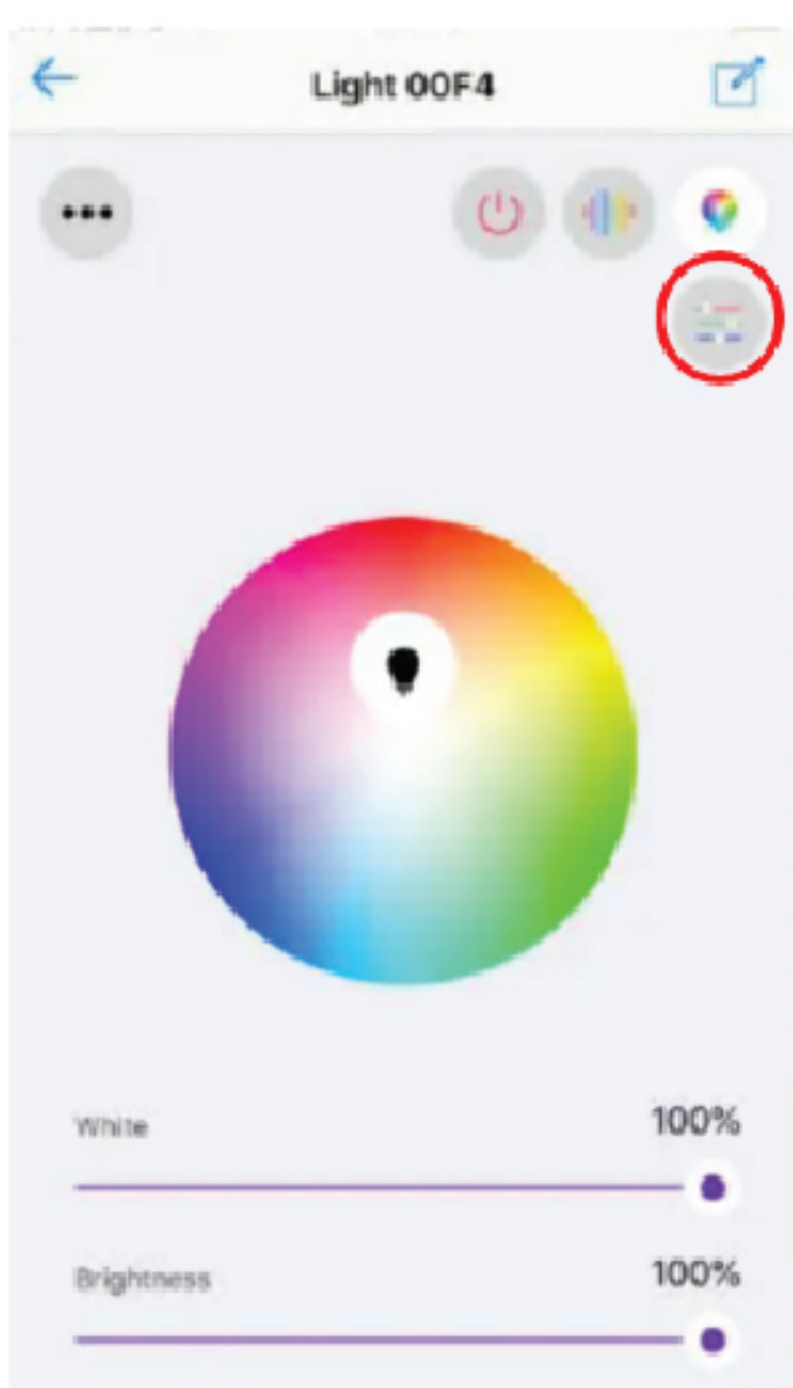


Fig17

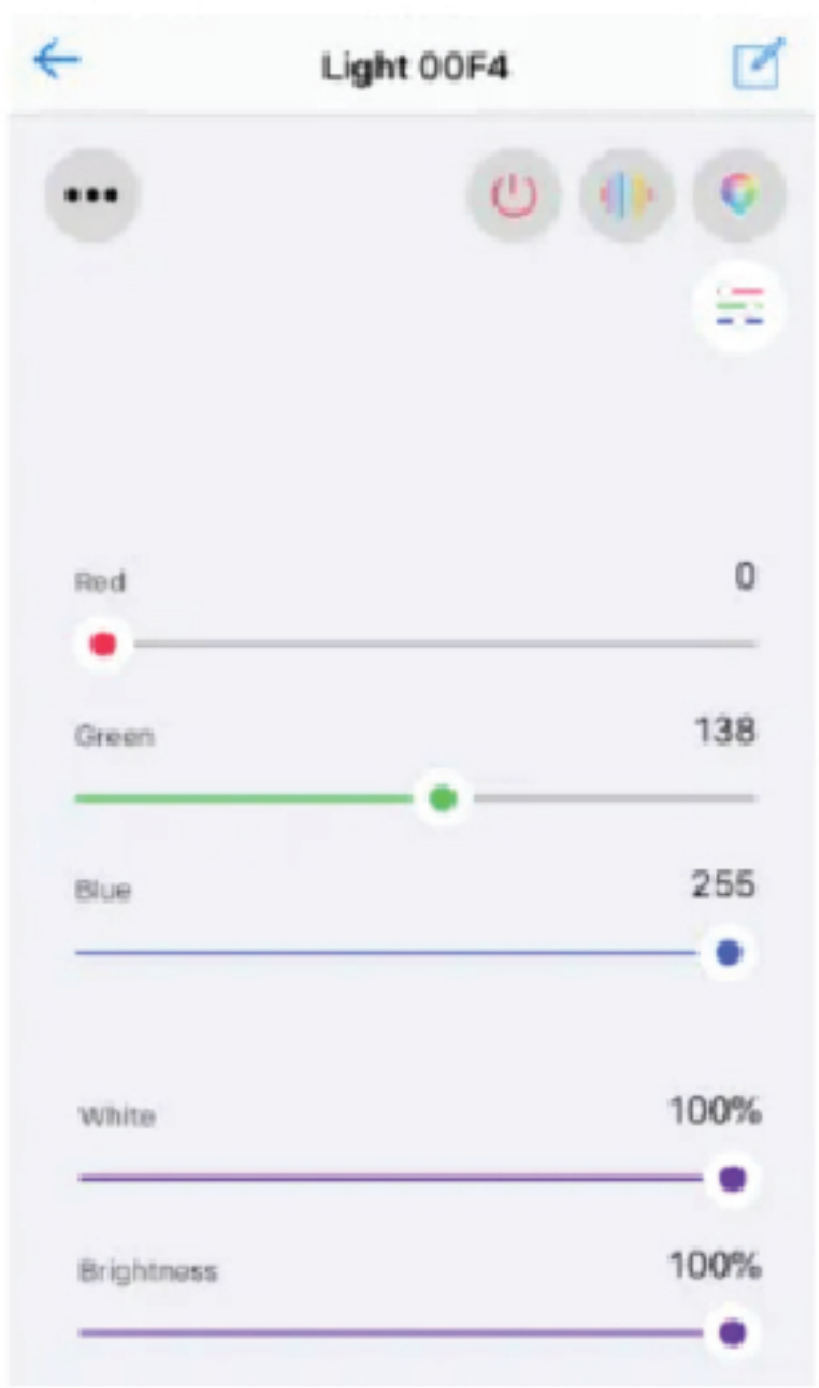
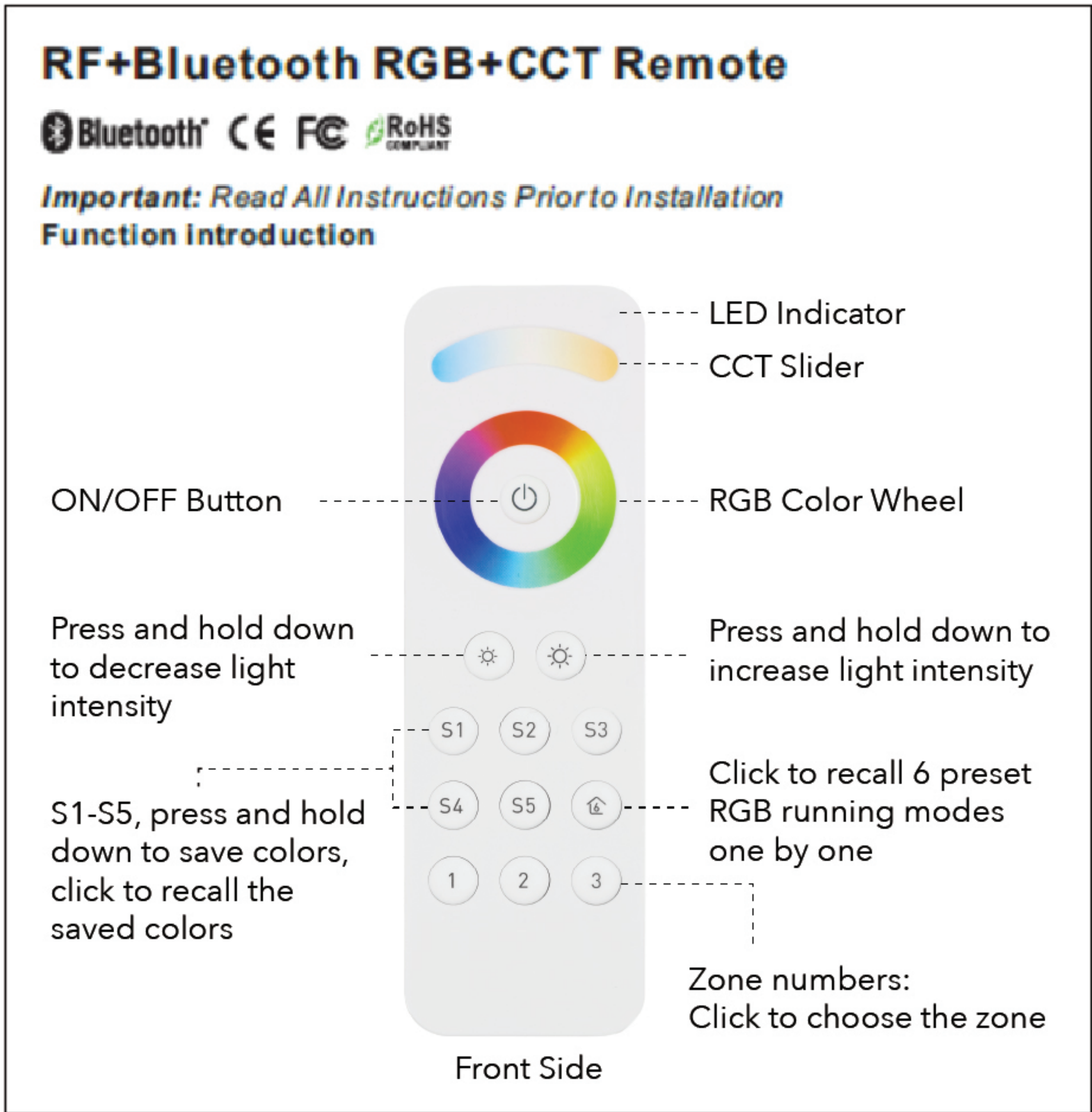


Fig18

RF REMOTE CONTROL

The RF Wireless remote handset is used to control several functions of the light unit. Functions include on-off, brightness selection, custom light scenes etc. the RC has an effective range of 15ft dependent of environment.

Each RC handset is linked with each light unit at the factory, if the remote link is accidentally deleted or a replacement RC handset is to be used it must be linked to the light unit.



Linking the RC Handset to the light unit is performed as follows:


Switch on the light and press "Zone 1" button, the red LED under the button should light.



On the light unit press the "Prog Key" button once.

Touch the RGB color wheel on the RC, the light should now be connected to the light unit.

the modes list to select a running mode, slide the Speed slider to speed up/down the mode, slide the Brightness slider to increase/decrease brightness of the mode. See Fig 10.

Programmable Running Modes

Tap **Custom** to enter into programmable running See Fig11, then tap  to enter into add mode interface.

Tap **+** at upper right to add a mode See Fig12, you can edit mode name and tap color dots  to enter into color picker interface, max. 5 colors can be selected, see Fig13. Once a color is selected, tap  at upper right to confirm (As shown in Fig14), then select the next color and repeat.

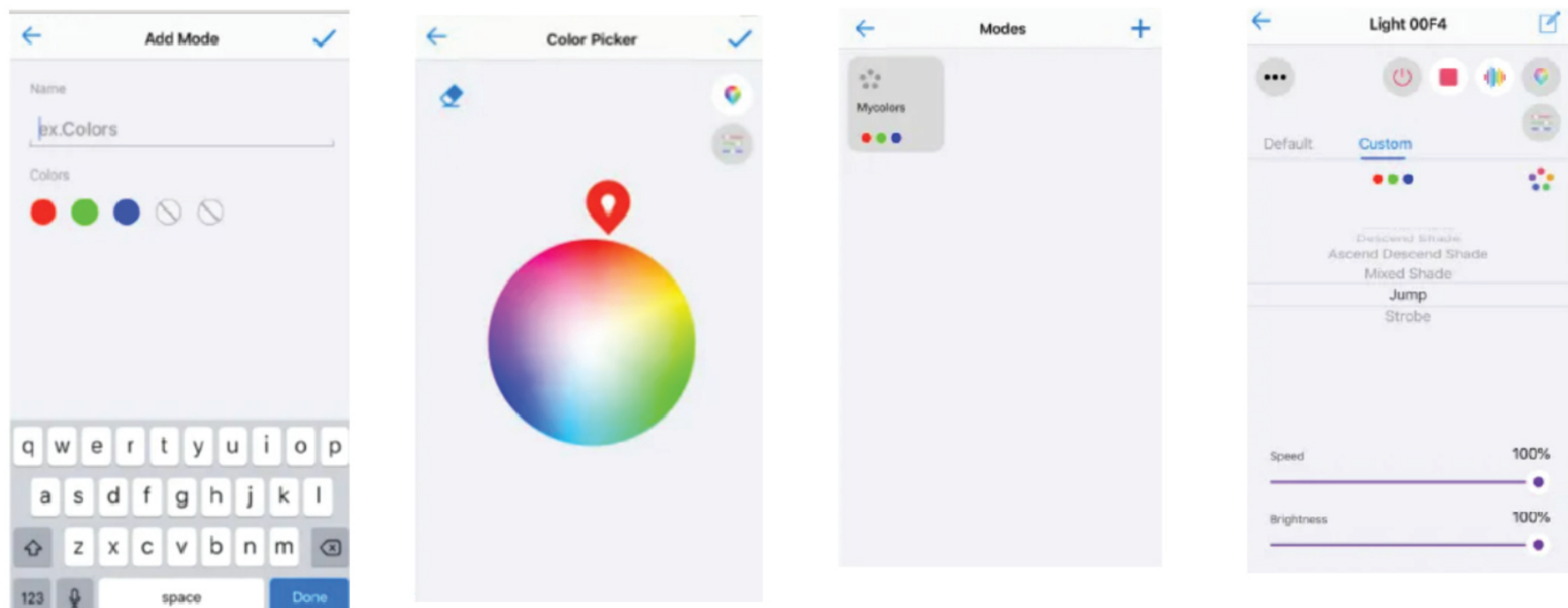





Fig13

Fig14

Fig15

Fig16

Once color selection and all settings are done, tap  at upper right to confirm and the mode is added successfully, see Fig15.

Tap the mode icon to enter into mode control interface, scroll down running modes list to select a mode to run the selected colors in the added mode, tap  at upper right to play a running mode, tap  to pause the mode, slide the Speed slider to speed up/down the mode, slide the Brightness slider to increase/decrease brightness of the mode, see Fig16.

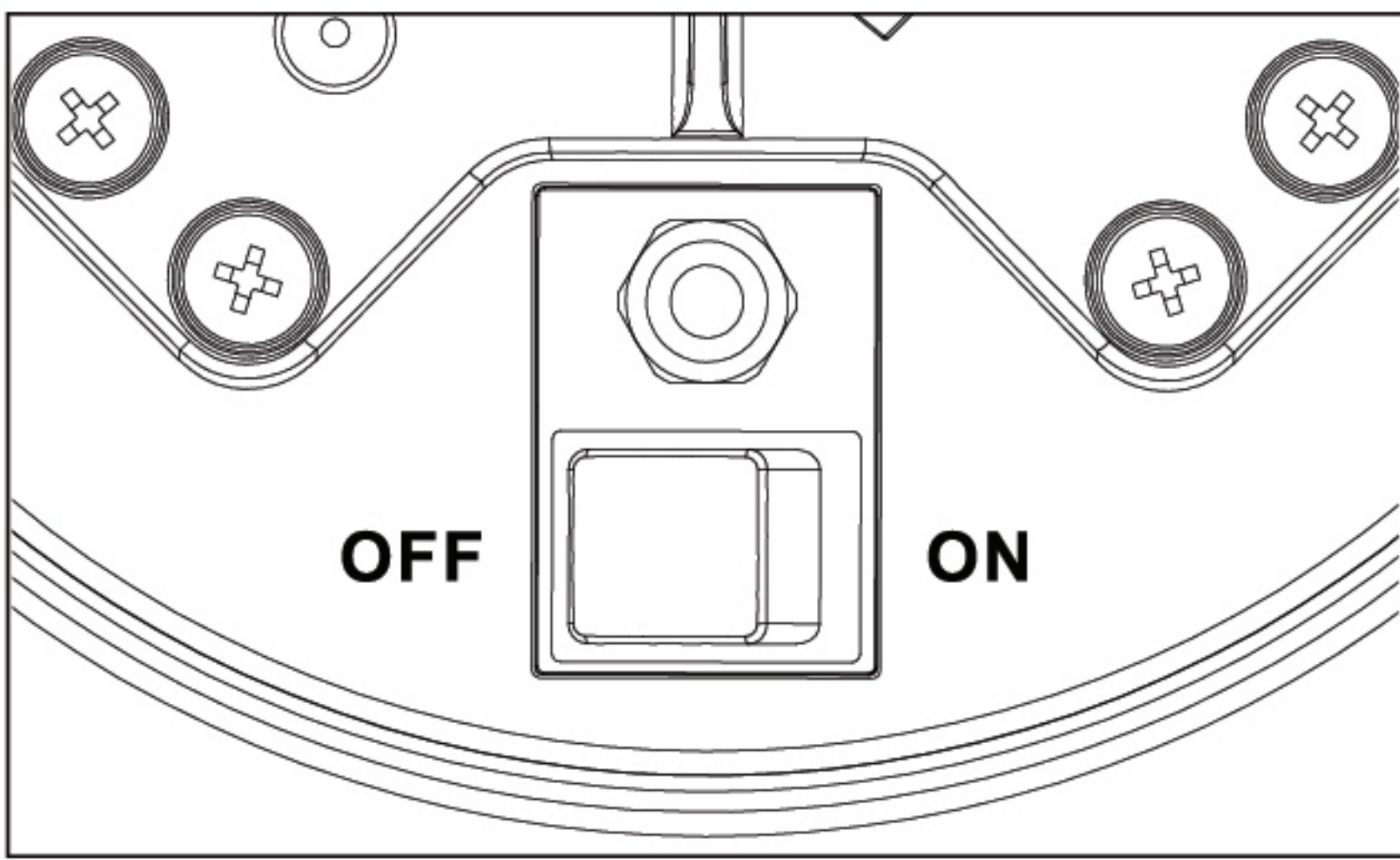
Separate Control of RGB Channels

Tap the individual control icon as highlighted in Fig17 on RGBW or RGB control interface to enter separate control interface of RGB channels, each channel's intensity can be adjustable between 0-255, see Fig18.

3.3 Operational Controls

ON/OFF SWITCH:

Always make sure the light unit is correctly mounted and secured on the tripod or optional mount accessories before powering the light unit.



Connect to the power source and press the ON/OFF Switch to power the light unit ON and OFF.

Before disconnecting the light unit from the power source, turn the power switch to OFF. After turning off the light unit, wait a minimum of 10 minutes before handling, the light may be hot to touch.

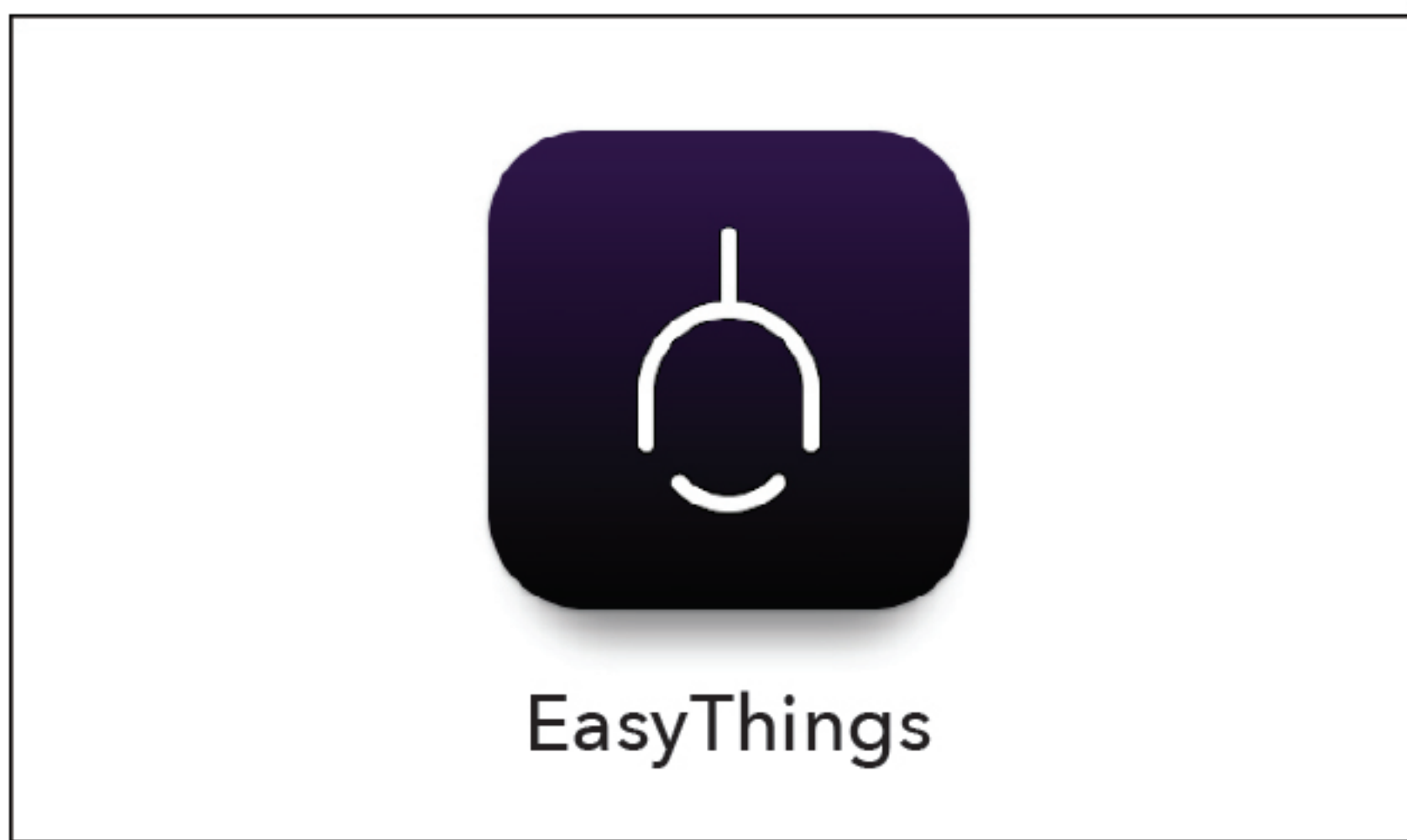
If the light was shut off by the remote control (RC) or the Bluetooth APP before pushing this switch to OFF the previous time it was used, then the light will not turn on the next time the switch is pressed to ON. Only the fan will operate and the light needs to be switched on using the RC or the Bluetooth APP. Neither the RC or the phone app controls the fan. To shut off the fan after use, press the switch to OFF or unplug the unit.

BLUETOOTH APP CONTROL:

The RGB light unit can be controlled by Bluetooth via a downloadable APP, the APP can switch the light on/off and set-up and control numerous color scenarios. It does not control the fan.

The APP, EasyThings is available for Android and IOS based devices and can be downloaded by scanning one of the QR codes on the base of the light, download the APP and install.

Run EasyThings APP, you will see some operating tips, just slide leftward and then you can tick "Don't show this again" and tap "Start". See Fig1.



Select your application environment, there are 4 application environments available: RESIDENTIAL, COMMERCIAL, RETAIL, HOSPITALITY. See Fig2, then press confirm.

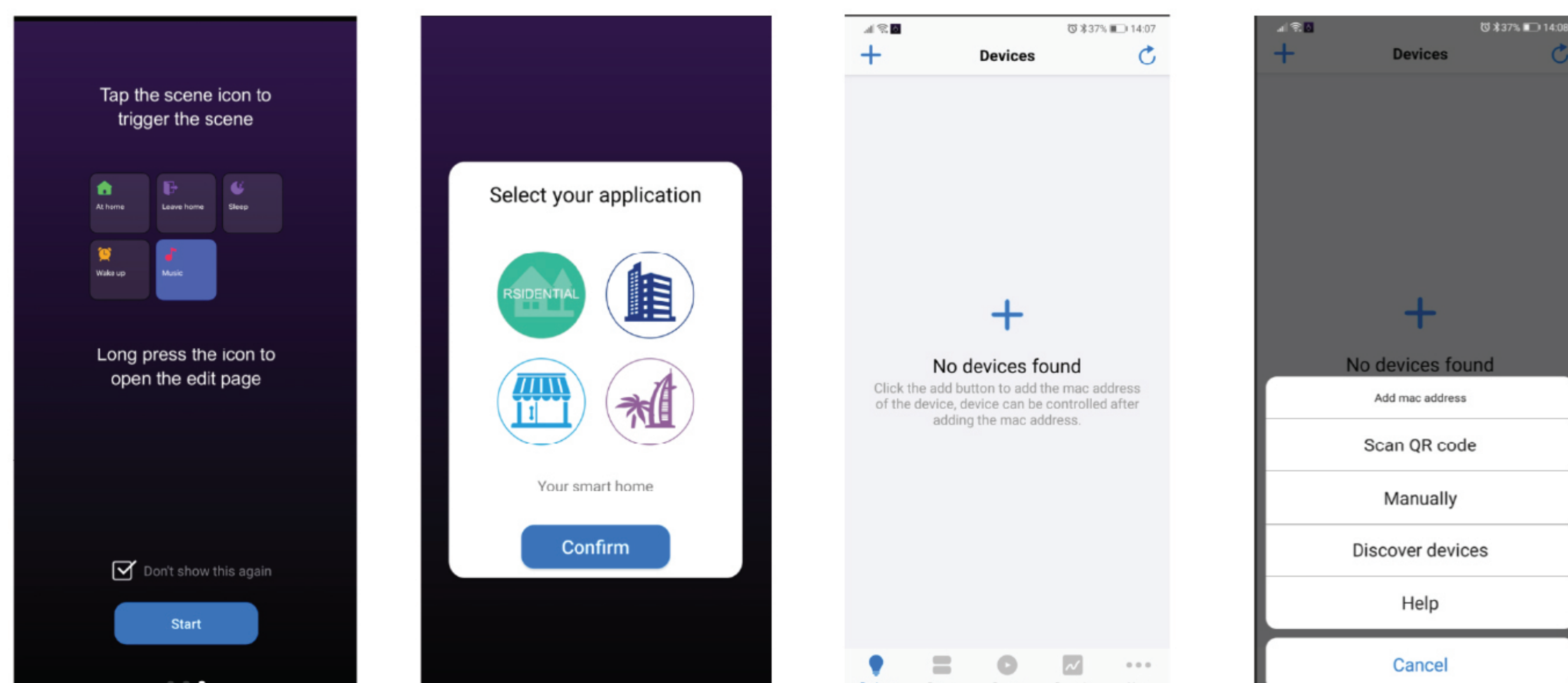


Fig1

Fig2

Fig3

Fig4

Add a Device

Power on the light and make sure Bluetooth is enabled, Tap add button **+** on EasyThings APP to add device see Fig3, then choose “Scan QR Code” Fig4 , you may need to allow access permissions.

Using your camera scan the QR code on the mounting collar on the base see Fig5.

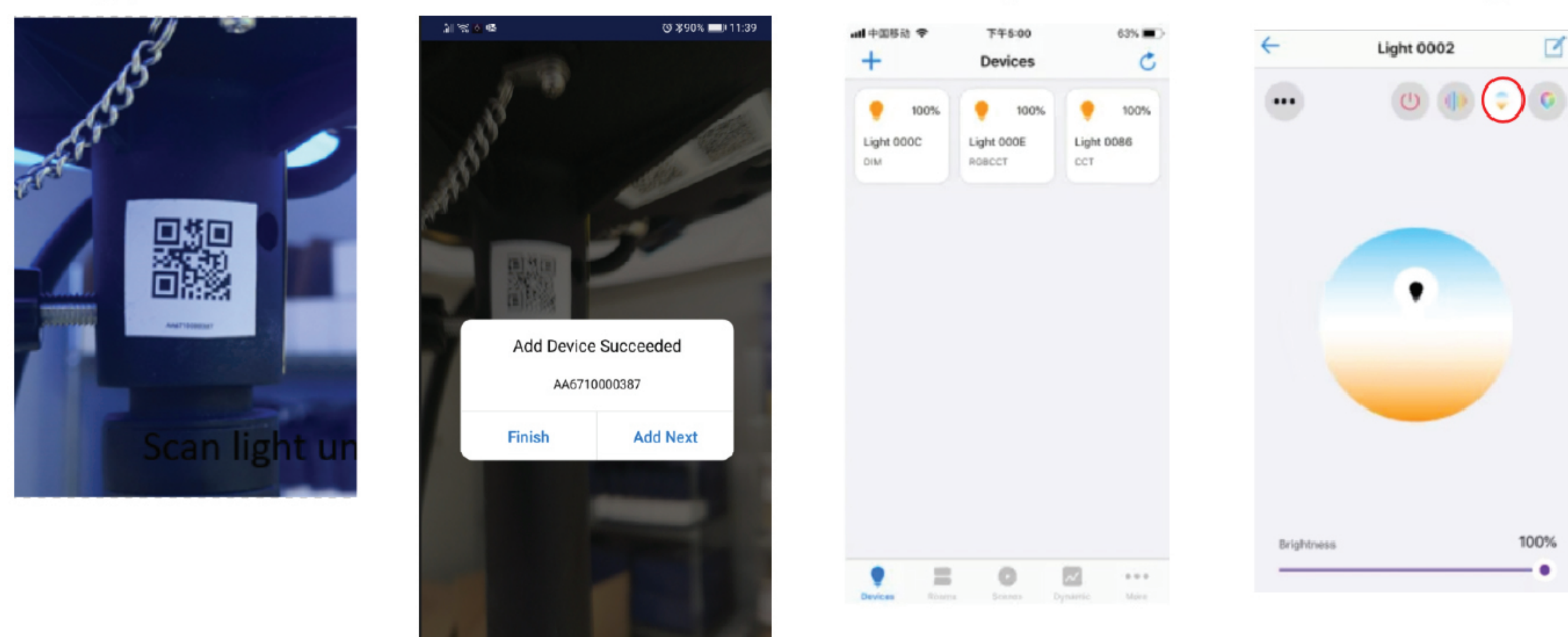


Fig5

Fig6

Fig7

Fig8

When the QR code is recognized the APP will confirm the light is paired with the APP see Fig6.

The added Light(s) will be shown on “Devices” interface, short press corresponding

device icon to turn off/on the Light, press and hold the icon to enter into control interface., see Fig7, note additional lights can be added at any time to control multiple lights.

Control the added light device

Press the corresponding device icon to turn off/on the light in Fig7, press and hold the icon to enter into control interface.

CCT (Color Temperature) Device Control Interface

See Fig8, Select the CCT icon in the upper right corner as highlighted then touch the color wheel to adjust color temperature, slide the Brightness slider to adjust brightness of selected color temperature.

RGBW Device Control Interface

See Fig9, Select the RGB icon in the upper right corner as highlighted then touch the color wheel to adjust color temperature, slide the Brightness slider to adjust brightness of selected color temperature, to adjust White channel brightness, slide the White slider to adjust overall brightness of RGB.

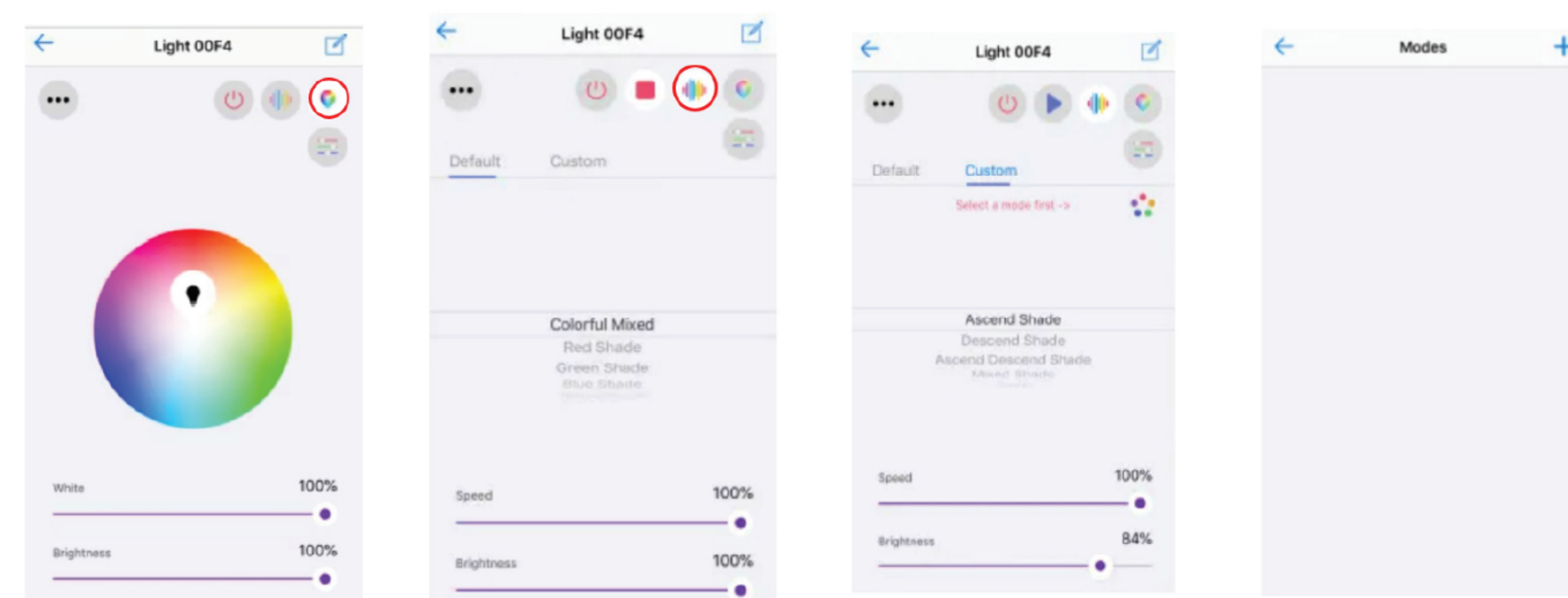


Fig9

Fig10

Fig11

Fig12

RGB Running Modes, on RGBW or RGB interface

Select the running mode icon at upper right to enter into running modes control interface as highlighted, see Fig10, there are 20 default preset running modes and programmable running modes with customizable colors, see Fig11.

Default Preset Running Modes

Tap **▶** at upper right to play a running mode, tap **■** to pause the mode, scroll down