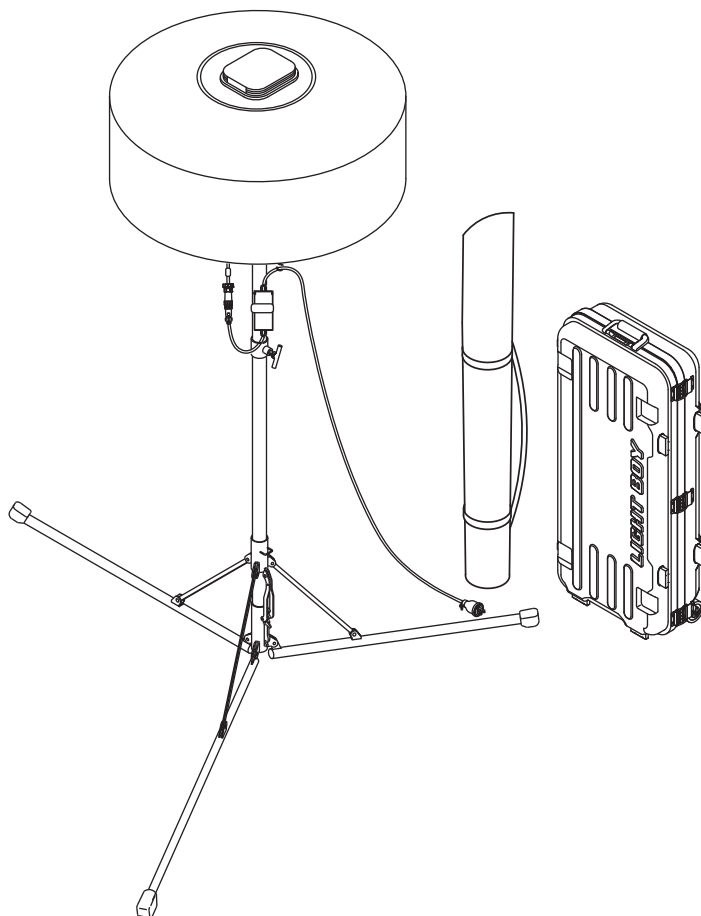


OPERATION MANUAL

LIGHT BOY

MODEL B3Q3S-CE / B3Q3H-CE



Never attempt to operate or service the equipment before reading the entire manual. Failure to read and understand the safety messages and operating instructions could result in injury to yourself and others.

For your own safety and protection from physical injury, carefully read, understand, and observe the safety instructions described in this manual.

MEMO

Thank you for purchasing
LIGHT BOY B3Q3S-CE / B3Q3H-CE

- This manual provides informational and procedures to safely operate and maintain the LIGHT BOY Products.
Before using the unit, be sure to read and understand all of the instructions.
- Keep a copy of this manual with the unit at all times.
- In case of this manual is lost or damaged, please claim immediately to the dealer from which you purchased the unit, or contact LIGHT BOY.
For general or technical questions, please contact LIGHT BOY. Please have your serial number available.
- For safety and improvement, LIGHT BOY CO., LTD. and its affiliates reserve the right to change and modify the product without notice.

Operation Manual	LIGHT BOY B3Q3S-CE / B3Q3H-CE	Code NO.	B-0000456-01
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■ In order for you to use safely

- The three safety messages shown below will inform you about potential hazards that could injure you or others.

The safety messages specifically address the level of exposure to the operator and are preceded by one of three words:

DANGER, WARNING, CAUTION.

Obey all safety messages that are described in this manual to prevent the possibility of improper service, damage to the equipment, personal injury or death.

- General Safety Information



INDICATES A HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, WILL RESULT IN DEATH OR SERIOUS INJURY.



Indicates a hazardous situation which, if not avoided, could result in death or serious injury.



Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

In addition, if not avoided, could result in property or equipment damage.

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◆ Notice for Safe Use

1.Installation

Please install on a flat surface.

⚠ DANGER If it is installed in an unstable place, it may fall or be damaged.

- Install it on a flat surface where the legs can be fully deployed to prevent it from tipping over.

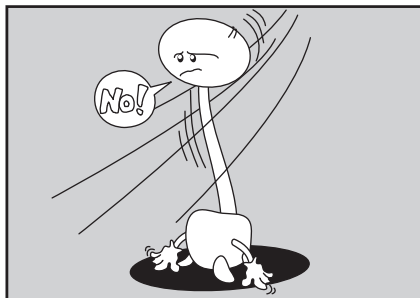
◎ Always make sure the area (5m radius) around the lighting system is clear and safe.

⚠ CAUTION Please pay close attention to your feet during installation.

Never use in strong winds.

⚠ DANGER To prevent the lighting system from overturning, NEVER use in winds that exceed 7m/s (25km/h).

- If the balloon becomes dented by wind, please lower the mast to use.
- Place sand bags over the tripod legs to improve stability.



Do not use when the dent is too large caused by wind.

- To prevent balloon deformation, NEVER use lighting system in strong winds.

Tighten the knob properly.

⚠ DANGER If the knob is loose, the lamp or mast may fall, resulting in injury or damage.

- When storing and folding the mast ALWAYS keep hands and fingers away from pinch points.

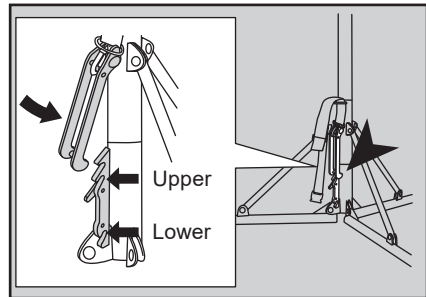
Always secure the latch to prevent tipping over.

⚠ DANGER

Be sure to secure the latch. If unit is used without securing the latch, the unit may tip over and lead to an accident.

- The latch has two positions, upper and lower.

Placing the latch in the lower position provides 385mm more height.



2. Transportation

Beware of the height.

⚠ DANGER

Transporting the lighting system while the mast extended could collide with overhead obstructions.

Contact with overhead power lines or other obstructions could result in equipment damage, electrical shock, electrocution and even death.

- Before transporting by vehicle, always place the system in the stow position.

Never put LED unit/balloon assembly directly during transport.

⚠ CAUTION

Placing the balloon directly on a platform of truck could lead to a damage to the balloon.

- ALWAYS place the components into protective cover and carrying case during transport. Fix them firmly on the platform.
- Please make sure that the storage case is closed properly before transporting.

Do not make an impact to lamp.

⚠ CAUTION

A strong impact may significantly reduce the life of the lamp or damage it.

- Please be careful when transporting, loading and unloading.

Be careful during transporting.

- When transporting the lighting system, always place in stow position and place tripod in its carrying case.

Please make sure that all knobs are securely tightened.

3. Balloon

Do not touch the lamp when lamp is on.



WARNING

Do not touch the balloon part due to the high heat emitting.

- Depending on the ambient temperature, the surface temperature of the balloon could increase. Avoid touching it to prevent burns.



CAUTION

ALWAYS keep the balloon away from sharp objects and excessive amounts of heat. Replace balloon immediately if damaged.

A damaged balloon will not inflate properly, and may become more damaged by touching the hot lamp surface.

NEVER operate without opening the protective cover.



CAUTION

Balloon cloth is a consumable item.

Exposure to excess wind or rain could damage the balloon cover.



CAUTION

Always ensure the zippers at the top and bottom are closed.

- Make sure the zipper is completely closed before and during use.
- ALWAYS place the balloon inside its protective cover after each use. Wipe off dirt and mud before storage.

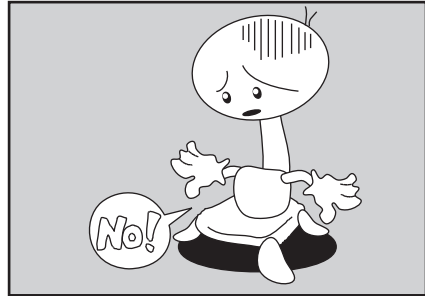
4. Generator

Use appropriate generators.

- If an output power of the generator is not appropriate, the life of the generator will be shortened and the lamp may turn off or blink.

⚠ CAUTION

It may not light up due to generator matching issues.



Please observe the handling precautions for the generator.

- If using a generator to power lighting system, refer to applicable generator manual safety information section.

5. Operation

Please note electric shock and leakage.

⚠ DANGER



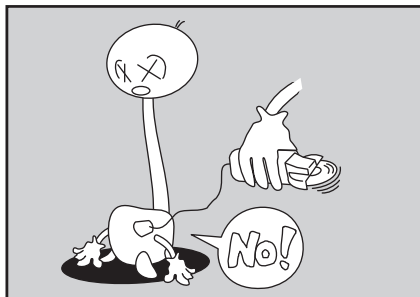
NEVER operate lighting system or handle any electrical equipment while standing in water, while barefoot, while hands are wet or in the rain. A dangerous electrical shock could occur, causing severe bodily harm or even death.

- Make sure the outlet is IP54 rated or above.
- The lighting system is not waterproof. Do not use it in rain or snow, in a place where it may be splashed with water, or immerse it in a puddle.
- STOP using the system immediately if submerged in water.
- The lighting system is equipped with a ground pin on the power plug. For your protection, **ALWAYS** complete the grounding path. **NEVER** insert the AC power plug into a 2-prong receptacle to operate lighting system. When applying power to the lighting system, ALWAYS connect the AC power plug to a 3-prong receptacle that is grounded.

Failure to follow could lead to **electrical shock, electrocution and even death.**

Please check the capacity of the generator when using the lighting system with other equipment.

- If there are any electrical appliances connected to the generator, please ensure that there is enough electrical capacity available for the lighting system.



Do not apply any strong impacts.

 CAUTION

A strong impact could damage the lamp and shorten the product life significantly.

Do not start or stop the generator with the power plug plugged in.

 CAUTION

If you start or stop the engine with the power plug plugged in, the generator may be damaged.

- The status of the generator is unstable immediately after starting and stopping the engine. Do not insert the power plug of the lighting system until the generator is stabilized.

Do not attach or detach the connector while the power is on.

 DANGER

There is a risk of equipment damage or electric shock.



- Before attaching or detaching the connector, remove the power plug.

6.Storage

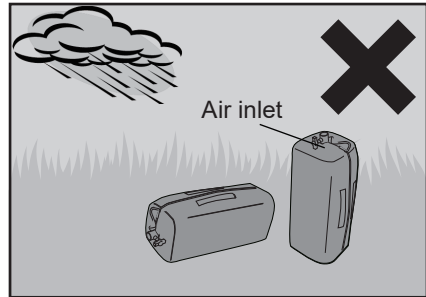
Equipment should be stored in a clean, dry location out of the reach of children and unauthorized personnel.

⚠ CAUTION

ALWAYS keep the balloon away from sharp objects and excessive amounts of heat.

Since protective covers and carrying cases are made of cloth, placing it in a hot place such as near a fire may cause deformation.

- Balloon cloth is a consumable item. ALWAYS place the balloon inside its protective cover after each use. This will prolong the life of the balloon material, keeping it protected from harsh environmental elements.
- Wipe off dirt and mud before storage. Lubricate and grease up the metal parts.
- ALWAYS store equipment properly when it is not being used.
- Please store it indoors as much as possible.
- If it is unavoidable to store it outdoors, cover it with a tarpaulin to avoid exposure to rain and snow.
- When storing the balloon removed from the mast, do not place it directly on the ground to prevent the rain water from penetrating into it.
- Do not store outdoors with the air inlet facing up.



7.Other

Please note the power plug and terminals.

- Make sure that the power plug is free of dirt and foreign substances before inserting it firmly into the outlet.
- Unplug the power plug when not in use.

⚠ DANGER

Do not touch the power plug or terminals during operation. There is a risk of electric shock.



⚠ DANGER

ALWAYS stop using immediately, if the AC cable generates excessive amount of heats.

Safety maintenance.

- Before and after use, be sure to remove mud and dirt, and perform inspection and maintenance such as lubrication and grease up.



CAUTION

Use grease for the maintenance. Do not apply parts-cleaner on the mast.

Please note the ambient temperature.

- The lighting system should only be used in temperatures between -10° to 40° C (14° to 104°F).



CAUTION

Failure to comply with these operating parameters could cause the lamp malfunction and shorten the ballast life.

General Safety.

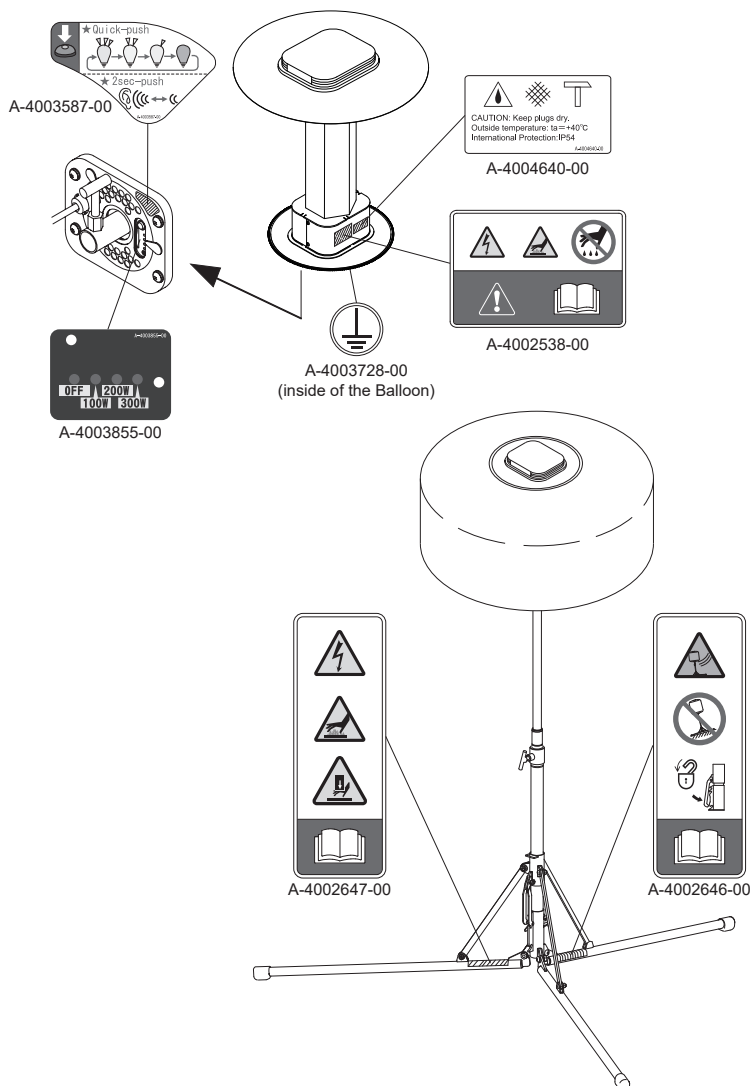
- Never operate this product under the influence of drugs or alcohol.
- Never operate this product when not feeling well due to fatigue, illness or when under medication.
- Please do not handle while wearing baggy cloth, ornaments which could possibly get caught in machine parts, or avoid wearing clothes with oil attached they can easily be flammable.
- Please dress properly for preventing injury, please wear a shoes with slipping protection.
- Please do not modify.
- Please take a look at surrounding when operating, and ensure the safety.
- If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

MEMO

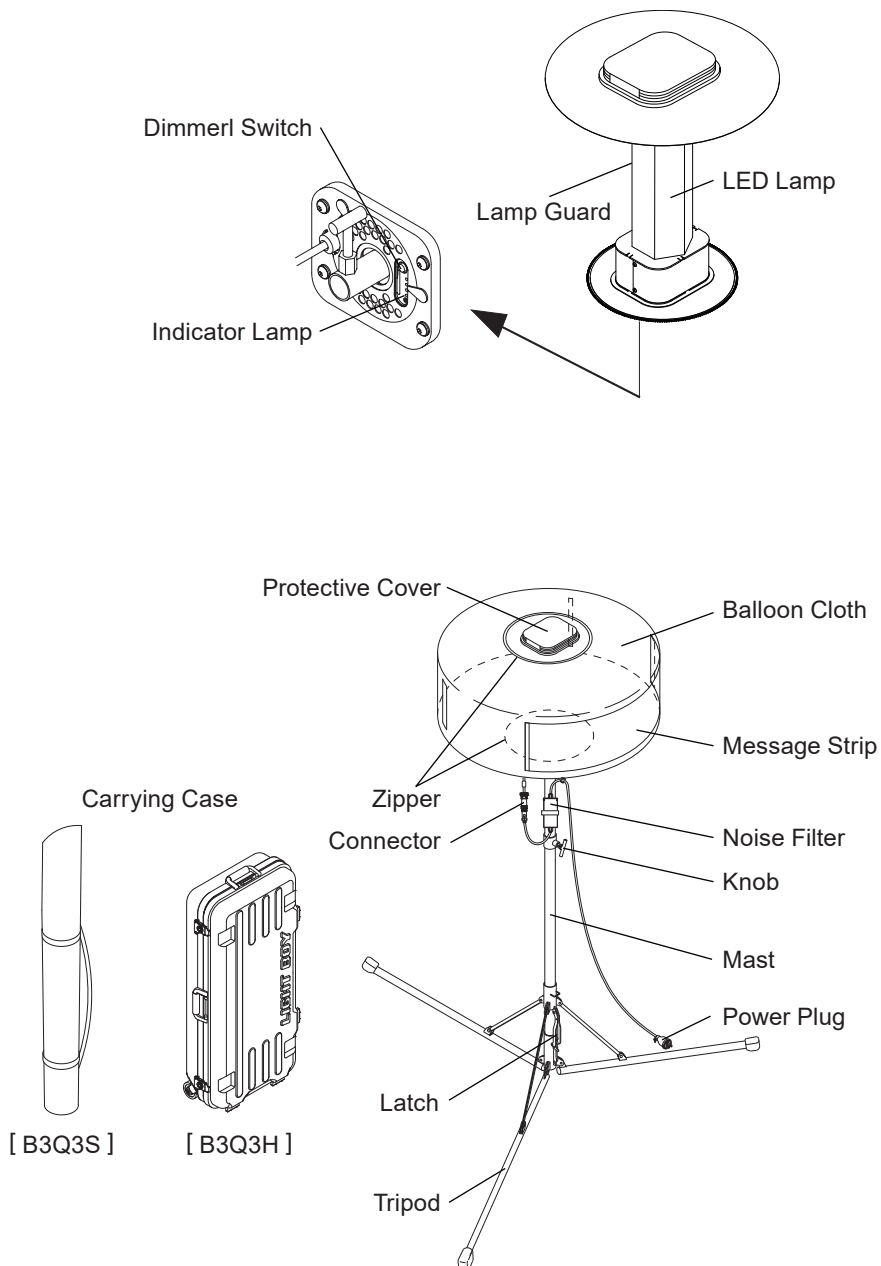
◆ Location of Warning Labels

⚠ WARNING

This lighting system is equipped with a number of safety labels. These labels are provided for operator safety and maintenance information. The illustrations below and on the next page show these labels as they appear on the machine. Should any of these labels become unreadable, replacement can be obtained from your dealer.



◆ Product Overview



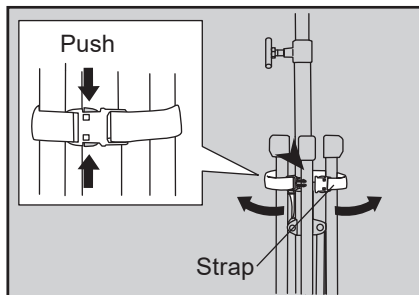
◆ How to Install

■ Installing the tripod

- ⊙ Make sure there is enough space around the Lighting system solo for tripod to be deployed.

1. Remove tripod from its carrying case. The tripod legs are secured by a strap.

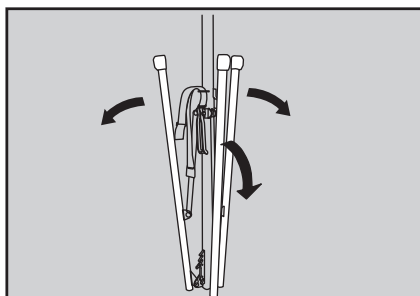
Squeeze both tabs on each side of buckle to unlock strap and allow tripod legs to be deployed.



2. Pull upward on the mast and let the tripod legs deploy.



Make sure no obstacles around the tripod. Be careful of colliding the opening legs with your body.

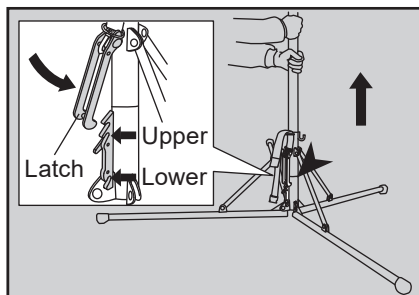


3. Lift up the mast and lock the latch in either lower or higher position.

- ⊙ The latch has two positions, upper and lower. Placing the latch in the lower position provides 385 mm more height.



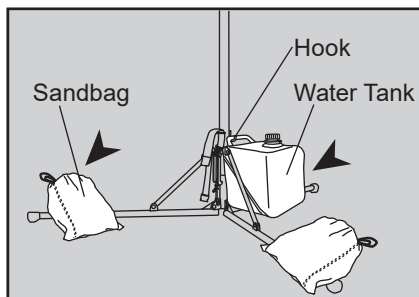
Always hook the latch when it is in use. The possibility exists of tipping.



4. Place sandbags on the tripod if necessary.



Always fix the tripod securely. Tipping over or falling down of the tripod could result in injury or damage.

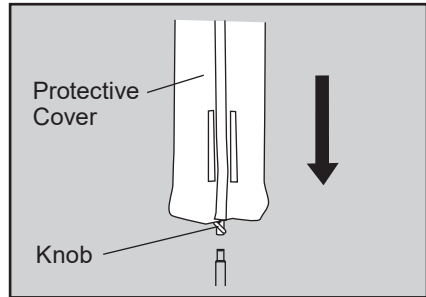


■ Installing the balloon

1. Place balloon assembly onto mast and tighten the knob securely.

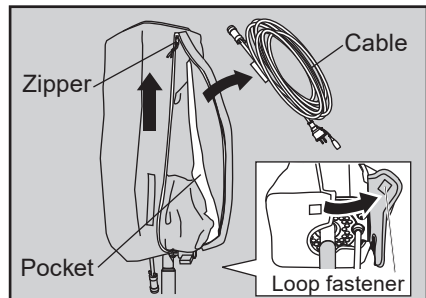
DANGER

Always tighten the knob securely. The balloon could possibly fall off and damage the equipment or result in injury.

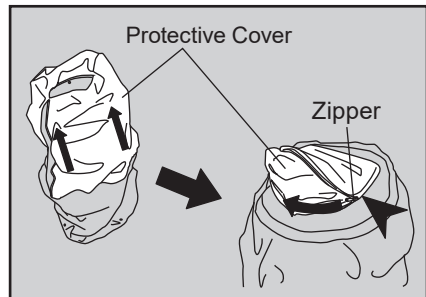


2. Open the loop fastener on the bottom of the protective cover.

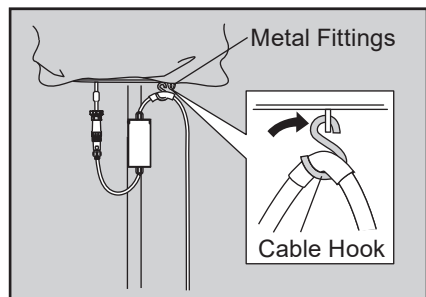
Expose the balloon by pulling up the zipper. Open the protective cover as shown on the right. Also remove the AC power cord at this time.



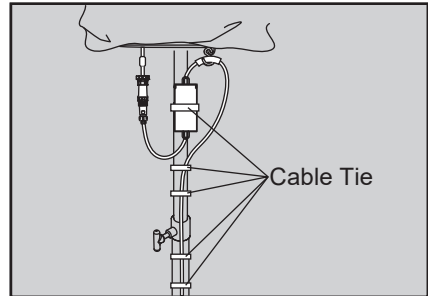
3. Fold the protective cover into itself and zip up.



4. Hook the cable hook of the AC power cable into the metal fittings located on the bottom plate of the light assembly.



5. Bind the power cable on the mast with cable ties at five location as shown on the right.

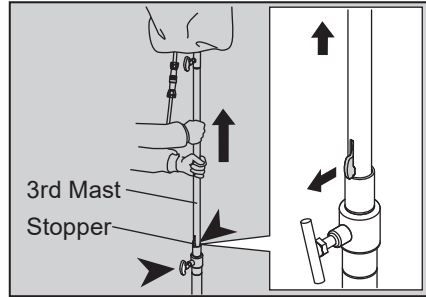


◆ Operation

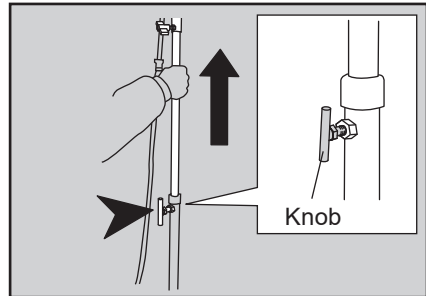
■ Operating

Raising the mast.

1. Tighten the lower knob securely and raise the 3rd mast until the stopper pops out. (B3Q3H)



2. Loosen the lower knob and raise second mast to desired height. Once desired height has been achieved tighten the lower knob.



⚠ DANGER

ALWAYS make sure the area above the lighting system is open and clear of overhead power lines and other obstructions.

The mast extends in excess of 3.35 meters when an optional extension is used.

Contact with overhead power lines or other obstructions could result in equipment damage, serious injury or even death!

⚠ WARNING

When raising or lowering the mast, keep hands and fingers clear of the various mast sections. This will prevent hands and fingers from getting pinched.

◆ ON/OFF Switch

■ Turning Lights ON

< Powering from Generator >

◎ If there are any electrical appliances connected to the generator, please ensure that there is enough electrical capacity available for the lighting system.

◎ Make sure oil, fuel and battery liquid are filled.

◎ Make sure the main switch of the generator is OFF.

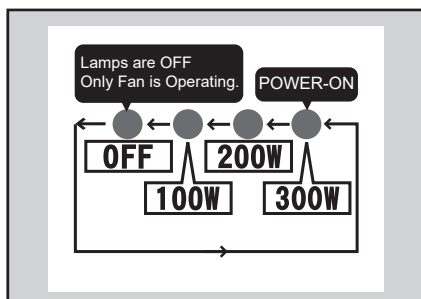
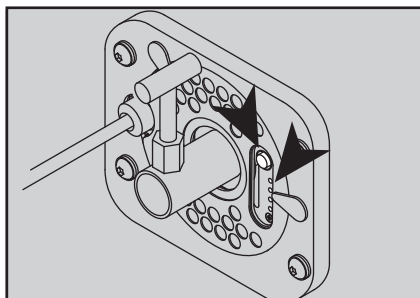
◎ Make sure the generator is properly grounded with a ground bar etc.

< Operating Dimmer Switch >

- The lighting system starts at 300W.

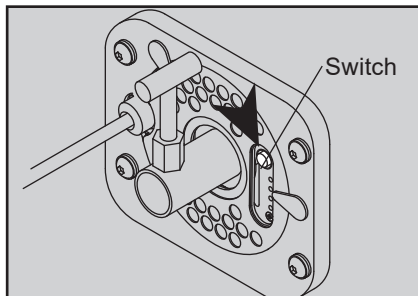
Press the dimmer switch to control the brightness of the light. The light can be turned off or set to 100W, 200W or 300W.

The corresponding LED indicators will light in red when selected.



< Operating Silent Mode >

- The noise coming from the unit during operation can be eliminated. Press and hold the dimmer switch for 3 seconds.



◎ Blue LED on the center of the switch flashes in the silent mode.

- Dimming is also possible during silent mode.
- To switch back to normal mode, press and hold the dimmer switch for 3 seconds. The blue LED will stop flashing.

◎ When unit restarts, it reverts to the normal mode even if the silent mode was selected prior to shutdown.

■ Turning Lights OFF

- Turn off the power switch of the generator according to the generator's manual. The balloon should start to deflate and the lamp turns off.
- Always turn OFF the main switch of the generator before shut down generator.

◆ Storage

■ Stowing the balloon

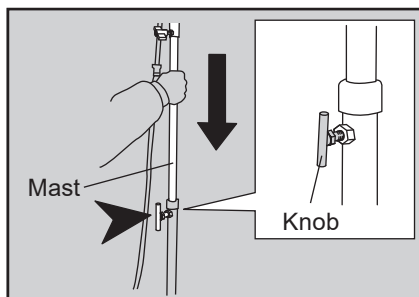
1. Unbind the cable ties and loosen the lower knob. Push down on the 2nd mast until mast is fully inserted into the 1st mast. Tighten the knob fully again.

⚠ WARNING

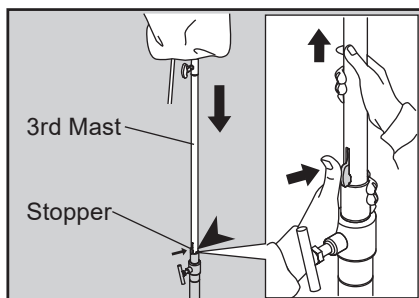


When lifting and lowering the mast, keep hands and fingers clear of pinch.

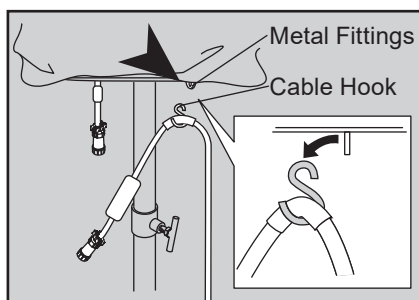
© The mast is designed to drop gradually.



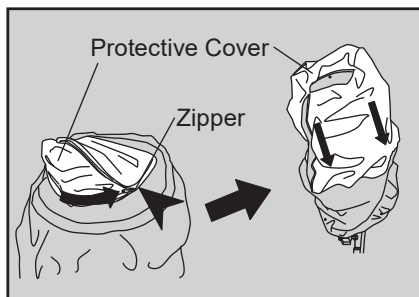
2. Push the stopper on the 3rd mast while holding the mast as shown on the right. (B3Q3H)



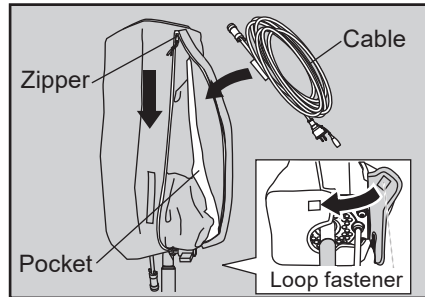
3. Disconnect the connector. Remove the cable hook of the AC power cable from the metal fittings located on the bottom plate of the light assembly.



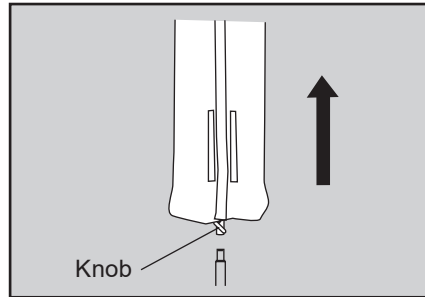
4. Unzip the zipper of the protective cover and roll down it over the balloon cloth.



5. Store the power cable inside the pocket of the protective cover. Zip up the protective cover. Close the loop fastener at the bottom of the protective cover.



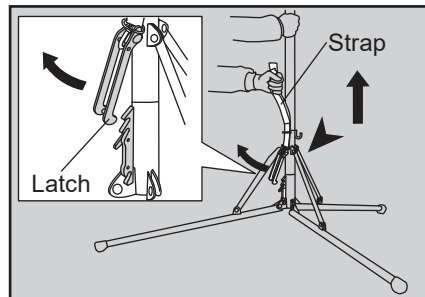
6. Loosen the upper knob and lift the light assembly from the mast.



■ Stowing the tripod

1. To retract tripod legs and place in the stow position, grab hold of the mast while pulling up on the strap (releases latch).

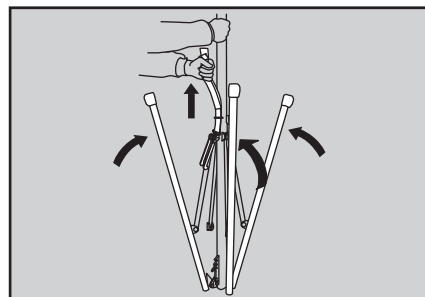
Ⓢ Always hold the strap to release the latch.



2. Continue pulling upward on the strap until the tripod legs are fully retracted and are in the stow position.

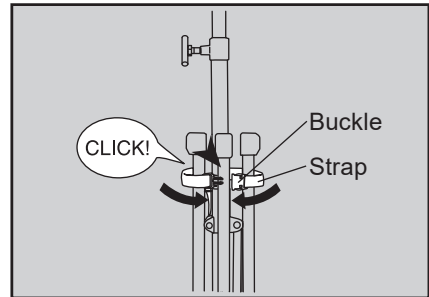
⚠ WARNING

When stowing and folding the mast, keep hands and fingers clear of pinch points.

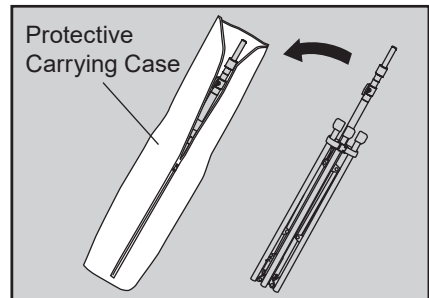
A warning icon consisting of a triangle with a hand being pinched between two fingers.

3. Once the tripod legs are in the stowed position, place strap around all 3 legs.

Secure legs by inserting the both sides of buckle into each other.

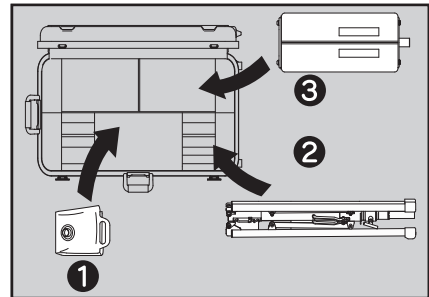


4. Place tripod in protective carrying case. (B3Q3S)



Place all components in the case as described on the right. (B3Q3H)

© Be careful not to pinch your fingers when closing the case.



 **WARNING**

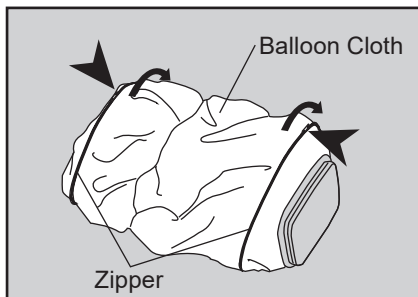
The mast could extend during transportation. Always tighten the knobs to avoid damages and injury.

◆ How to Replace Parts

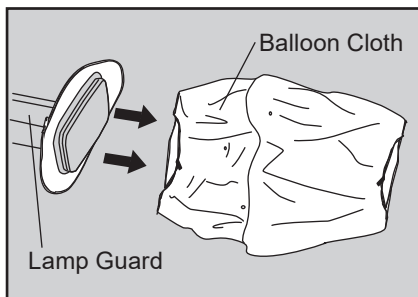
Replacing balloon cloth.

(Parts No.A-1001104-00)

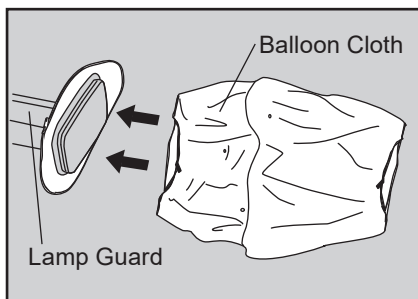
- 1.Unzip the zippers at the top and bottom of the balloon cloth.



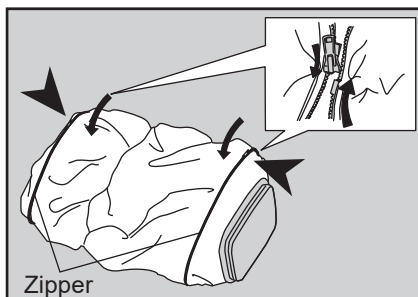
- 2.Slide the old or worn balloon cloth over the top of the lamp guard assembly.



- 3.Slide the new balloon cloth over the top of the lamp guard assembly.



- 4.Zip up the zippers at the top and bottom of the balloon cloth.

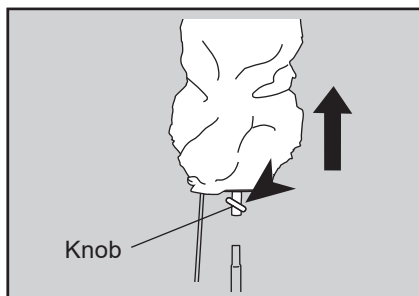


Replacing filter.

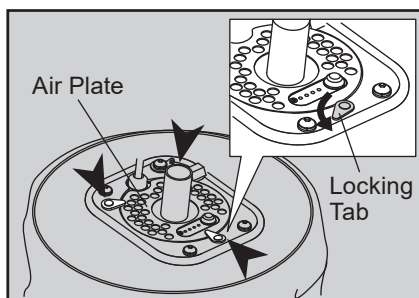
(Parts No.A-4002738-00)

- 1.Remove the balloon as described on the right.

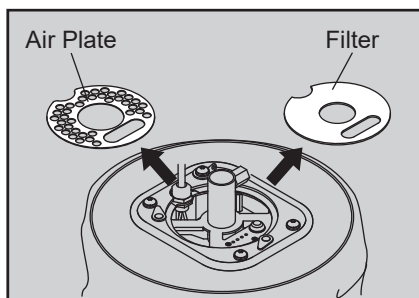
Turn the balloon assembly upside down to access the filter.



- 2.Turn the three locking tabs outwards to release the air plate.

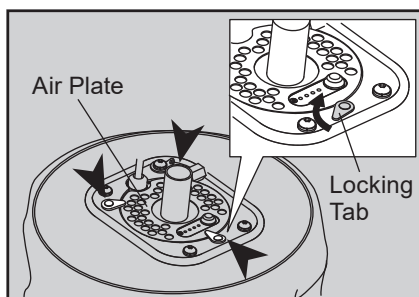


- 3.Remove the air plate and filter.



- 4.Install a new filter and reinstall an air plate.

Turn three locking tabs inwards to lock the air plate in place.



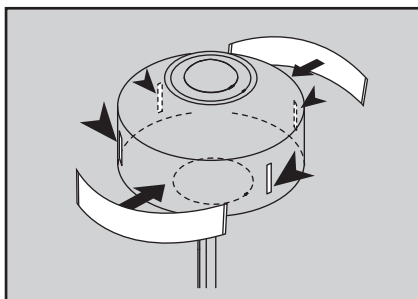
◆ Optional Message Strip

- Prepare the optional message strip.



- Attach the message strips to the velcro.

© Message strips fit on both sides of the balloon.



WARNING

Always place the messages strips firmly to avoid being blown away by strong winds.

◆ Maintenance

■ Inspection/Maintenance

For a prolonged life cycle and extended quality follow the recommended guidelines.

Figure	Part	Check item	Solution	
Light	L1	Lamp guard	Dirty, rusty or damaged?	Clean / Replace △
	L2	LED Unit	Defective LED or broken?	Replace ◎
Balloon	B1	Balloon (Envelope)	Dirty, or ripped?	Replace ◎
	B2	Zipper	Broken?	Replace ◎
	B3	Fan motor	Not working properly?	Replace ●
	B4	Knob	Broken?	Replace ◎
Tripod	T1	Tripod	Damaged or not working properly?	Replace ○
	T2	Mast	Damaged or not working properly?	Replace ○
	T3	Latch	Damaged?	Replace ◎
	T4	Knob	Damaged?	Replace ◎
Electrical	E1	Power cable	Defective or worn cable?	Replace ◎
	E2	Plug	Damaged?	Replace ○

◎ ...Daily Check ○ ...Every 20hrs ● ...Every 100hrs △ ...Every 500hrs

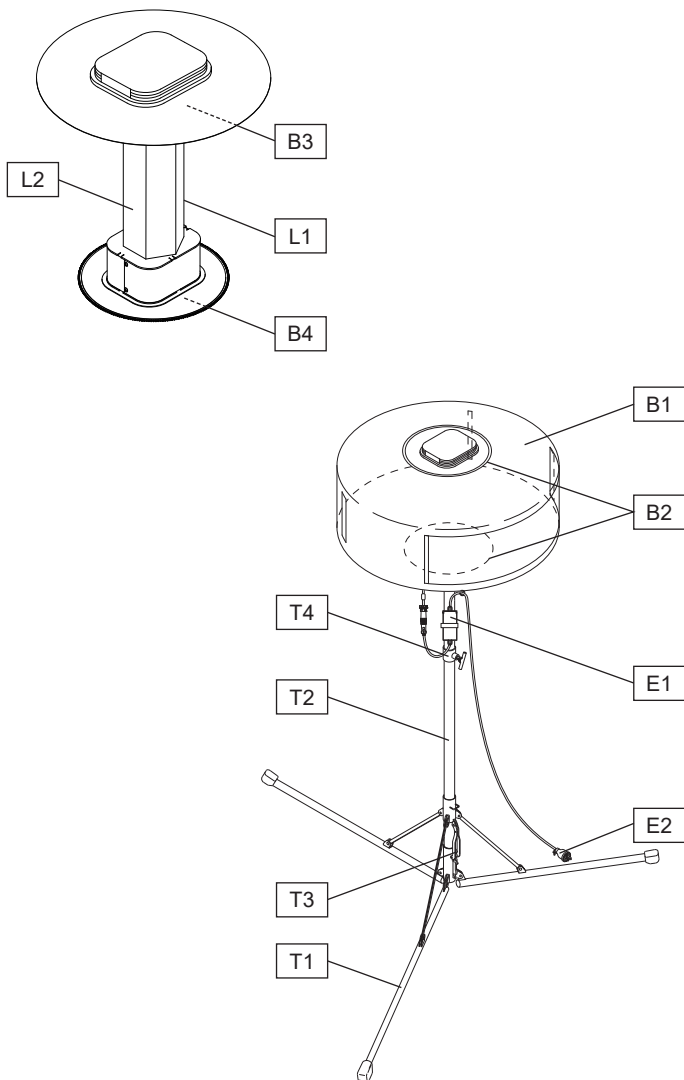
(Hours are just estimation. Please inspect everytime before using the unit.)

(Please read and follow the supplied generator manual for the generator.)

 DANGER



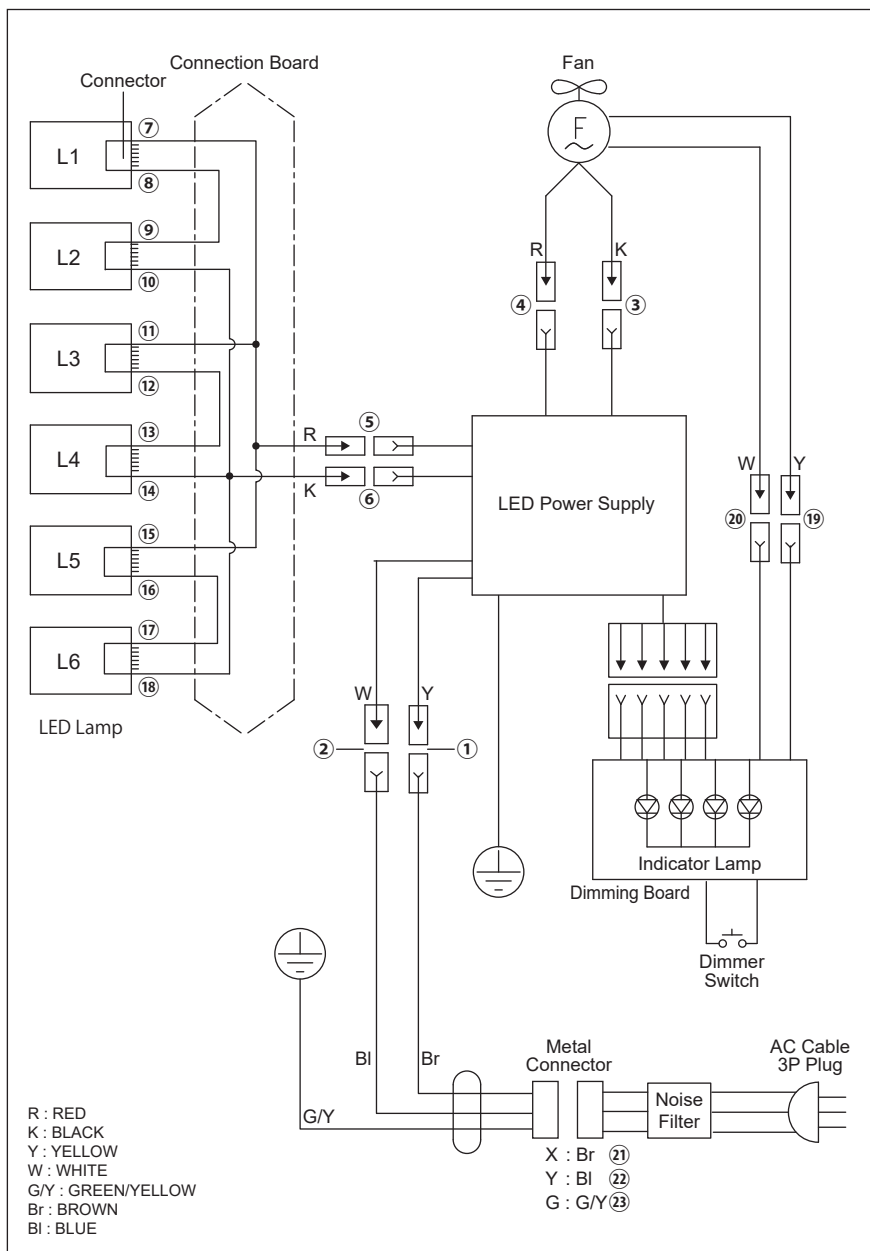
Never attempt to service or perform maintenance when the power is ON. The possibility exists of short circuit. Please pull out the power plug from the power source.



■How to stow

- Take off the mud or dirt, and please apply the lubrication grease up the metal part.
- Avoid stowing in area that can be exposed to the rain, or high humidity.
- Take apart the components separately and stow them in each cases.
- Use grease for the maintenance. Do not apply parts-cleaner on the mast.

Wiring Diagram



◆ Trouble Shooting

■ 1.Lighting unit

Precheck

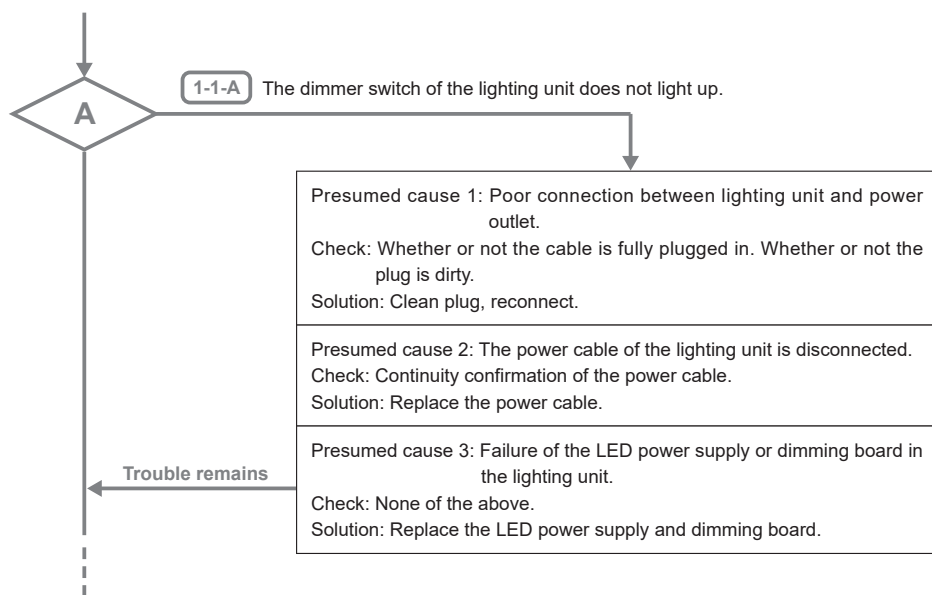
- The specified voltage (AC230V) is coming out from the power outlet.
- The cable is connected properly.

Attention of the operation

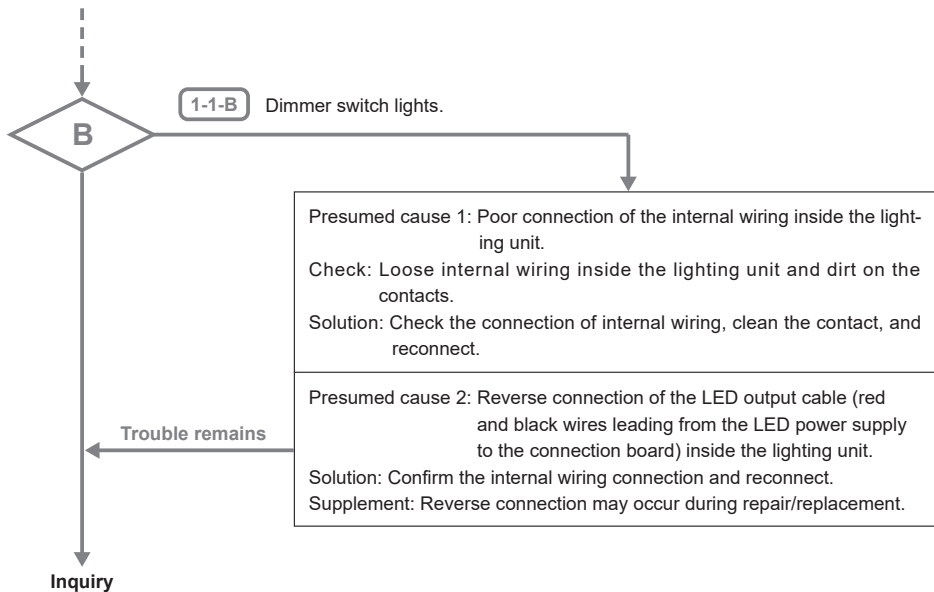
- Before performing any wiring operation, it is necessary to wait for at least one minute after turning off the power.
- Be careful not to get an electric shock.
- Do not work unless you have sufficient knowledge of electricity.

- 1-1. The lighting unit does not light up.
1-2. The light automatically dims / turns off.
1-3. Dimming does not work.
1-4. It lights up but isn't so bright.
1-5. Some LEDs do not light up.

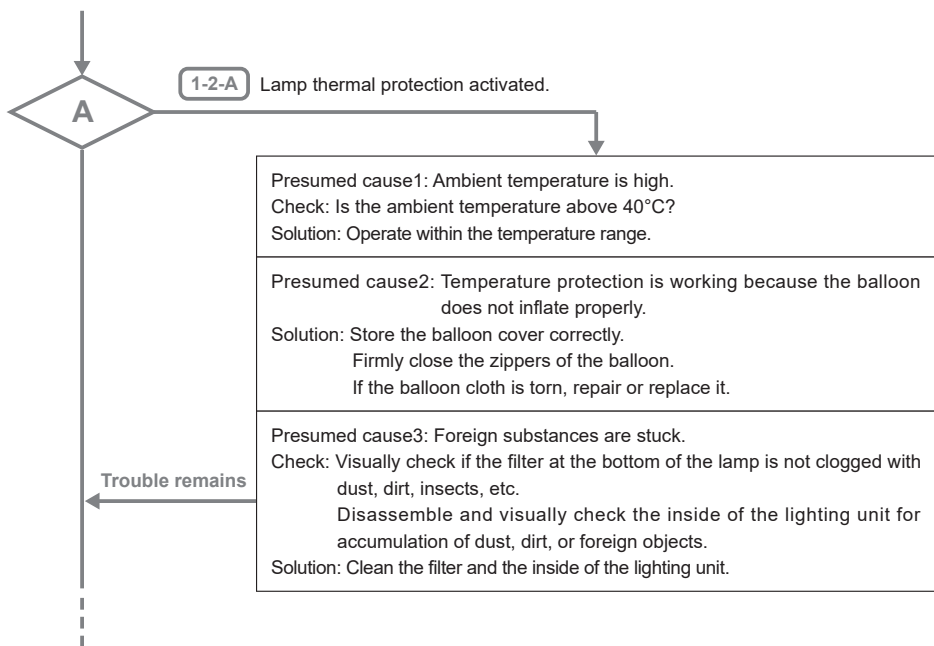
1-1. The lighting unit does not light up.

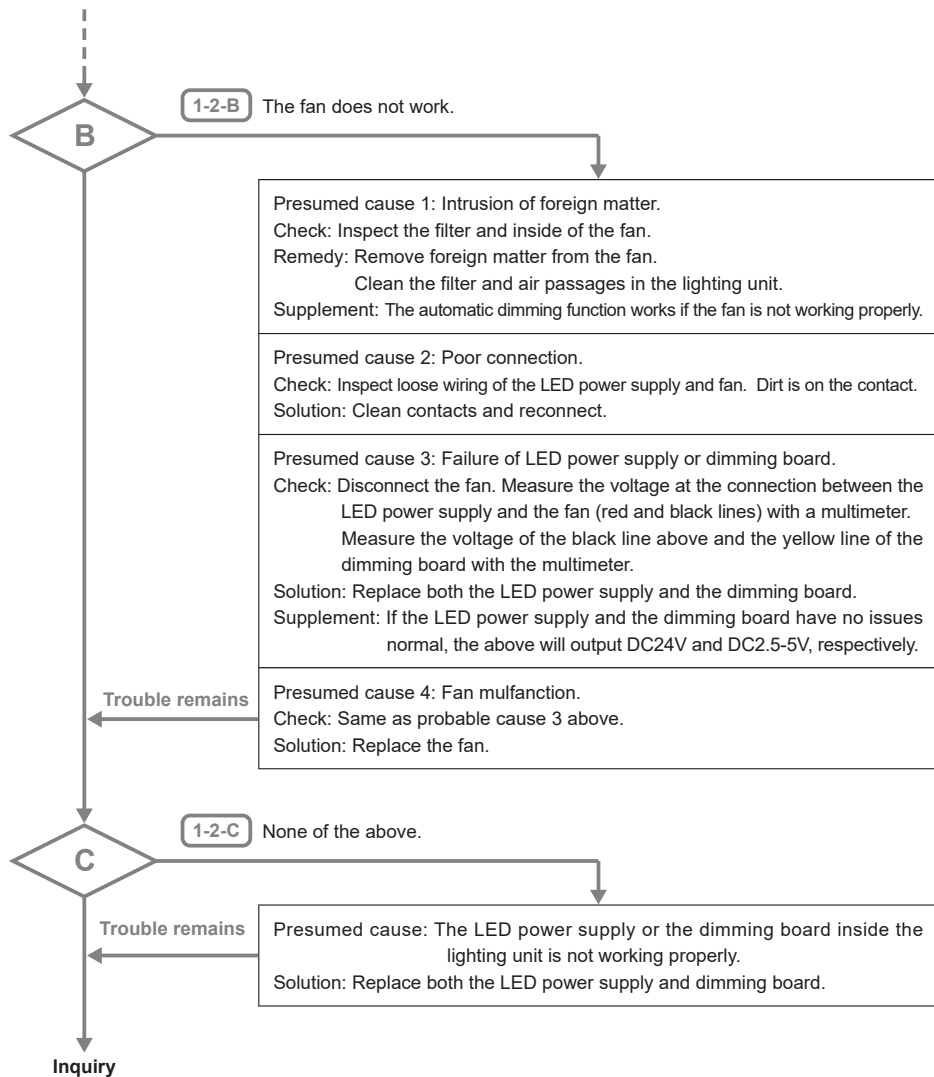


Go to Next page

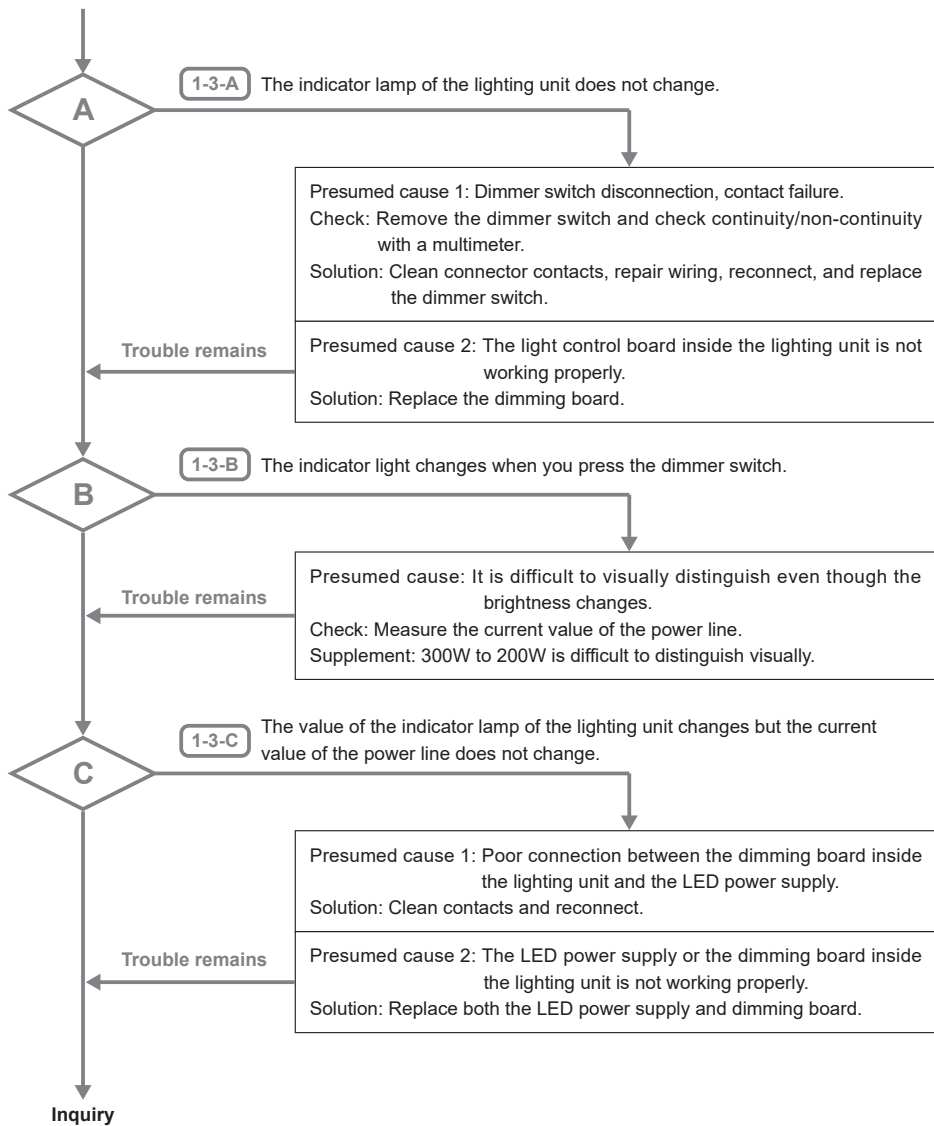


1-2. The light automatically turns off.

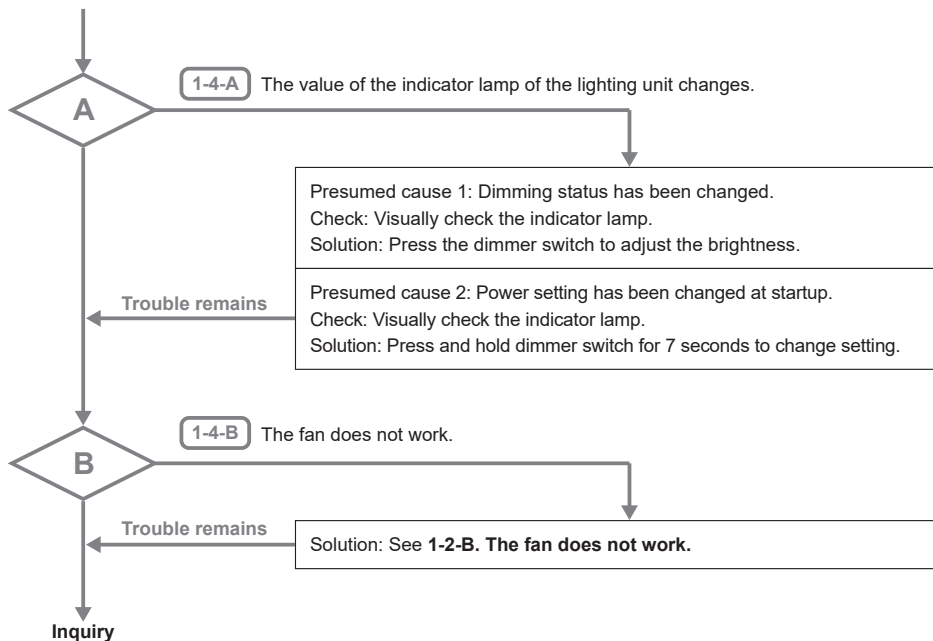




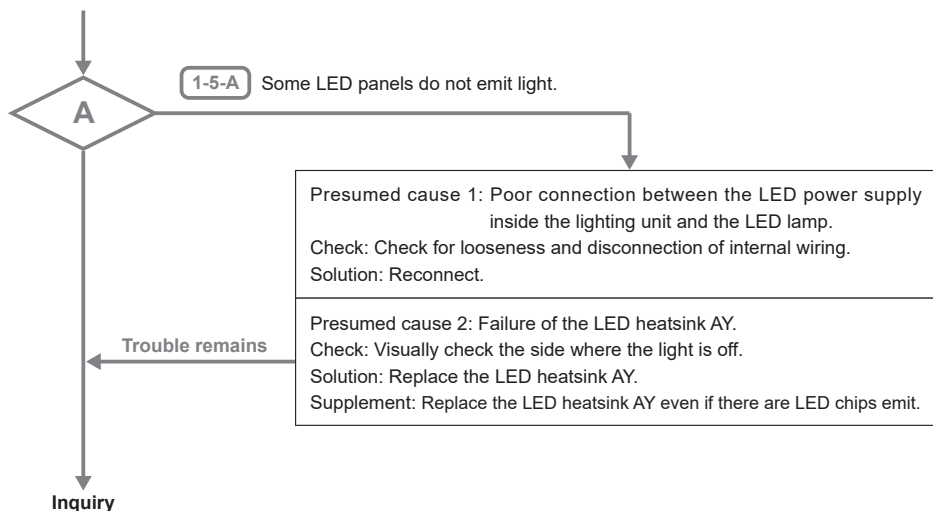
1-3. Dimming does not work.



1-4. It lights up but isn't so bright.



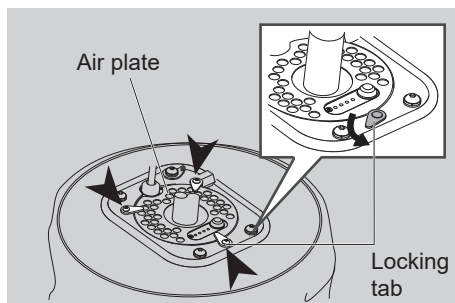
1-5. Some of the LEDs do not light up.



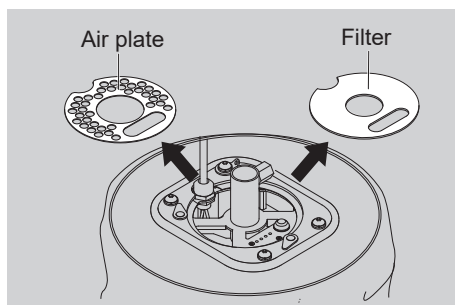
■ 2.How to clean up the filter

Removing the filter

1. Turn the balloon lamp assembly upside down to access the filter. Turn the three locking tabs outwards to release the air plate.



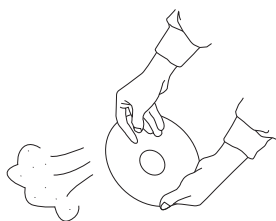
2. Remove air plate and filter.



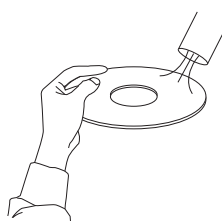
◎When installing, take opposite steps of removing the filter.

Easy Cleaning

- Use hands



- Use vacume cleaner



Washing

- Please use a mild detergent when washing.
- Please use a washing net when using a washing machine.
- Please dry it thoroughly before installing it.
→If you installed without drying it thoroughly, the absorption would be insufficient.
(It may freeze during winter.)

◎Please replace it when the tar adheres.

MEMO

◆ Specification

Model				B3Q3S-CE		B3Q3H-CE	
Lighting system	AC	Voltage (V)		230 *1			
		Frequency (Hz)		50 / 60			
		Wattage (W)		320			
		Power Factor		>=0.96			
	Lamp	Type		LED / Balloon			
		Dimming (W)		300 / 200 / 100			
		Total Luminous Flux (lm) *2		40,000 / 30,000 / 16,000			
	Mast	Mast Type		Telescopic system 2 stages		Telescopic system 3 stages	
		Mast Operating		Hand Operation			
	Outside Temperature (°C)		-10 to 40				
	Dimension	1st Level (LxWxH) (mm)		1330x1575x1860-2770		1330x1575x1475-2530	
		2nd Level (LxWxH) (mm)		1135x1325x2245-3155		1135x1325x1860-2915	
		Storage (LxWxH) (mm)	Balloon	200 x 220 x 600			
			Tripod *3	190 x 190 x 1260		190 x 190 x 870	
			Carry Case	190 x 190 x 1300		240 x 455 x 950	
	Maximum Projected Area (m²)		0.601		0.592		
Mass	Balloon (kg)		8.5				
	Cable (kg)		1.4				
	Mast (kg)		2.2		2.0		
	Tripod (kg)		5.5				
	Carry Case (kg)		0.6		6.5		
	Total Mass (kg)		18.2		23.9		
Required Generator Capacity (kVA)				0.35 or more			

*1 Voltage 90-240V are available when power plugs are changed.

*2 LED chips differ from one case to the next on the production process, they have their own brightness and color temperature.

*3 Mast included.

●Suitable to indoor and outdoor use.

●All features and specifications are subject to change without notice.

●There are cases where the actual item and figure in the text different.

●May not light up due to a problem of matching the generator.

◆ Disposal

Your LIGHT BOY mobile lighting system mainly consists of metallic materials that can be re-melted in steelworks and smelting works and that is therefore almost infinite recyclable.

LIGHT BOY mobile lighting system contains substances that may adversely affect the environment and human health. Proper disposal can prevent adverse effects on the environment and human health. When disposing a used product, please contact the dealer or the sales store nearby where you purchased the product. Alternatively, dispose all components according to the applicable disposal regulations.



Never throw the product in municipal waste. This symbol of the crossed out wheeled bin indicates that product (electrical and electronic equipment) should not be placed in municipal waste.



Signifies low-density polyethylene.



Signifies corrugated fiberboard.

MEMO

MEMO

◆ How to get help

When you have questions or the towers breakdown, please take note the followings, and contact the dealer or the sales store nearby.

- Unit model and Serial number (on nameplate)

B3Q3○-CE - ○○○○○○

- Use environment

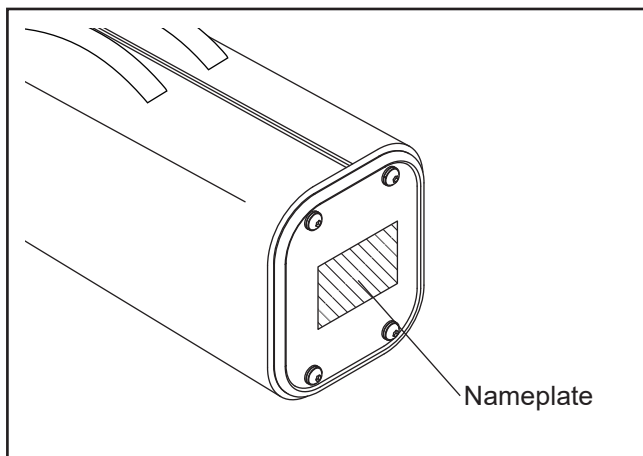
How did you use?

- How long did you use?

Approx hours of use. Please verify at hour meter on generator.

- Please describe in detail when breaking down.

The detailed situation



Explanation of safety confirmation

Models	Manufacturing number No.
--------	-----------------------------

From the following sales presenter, I was received for an explanation safe handling and operation of this product.

Description content and points to be checked	Check <input checked="" type="checkbox"/>	Description content and points to be checked	Check <input checked="" type="checkbox"/>
Receiving the manual	<input type="checkbox"/>	Ways to operate each part of the machine	<input type="checkbox"/>
Description of caution of safety	<input type="checkbox"/>	Ways of maintenance	<input type="checkbox"/>
Description of the content on alarm display and labels location	<input type="checkbox"/>	Treatment and cotact in case of trouble found	<input type="checkbox"/>
Ways of preparation for use	<input type="checkbox"/>	About warantrny and guaranteed provision	<input type="checkbox"/>

Date of description	
Delivery date	

C u s t o m e r	Address	
	Company name	
	name	
D e a l e r	Address	
	Store name	
	Name of delivery explainer	

Distributed by :

LIGHT BOY EUROPE AB

Södra Industrigatan 3 , port 17

SE-274 30 SKURUP, Sweden

<https://www.light-boy.eu>

Manufacturer :

LIGHT BOY CO.,LTD.

1-39-1 Yazaki-cho, Fuchu-shi,

Tokyo Japan

<https://www.light-boy.com>

