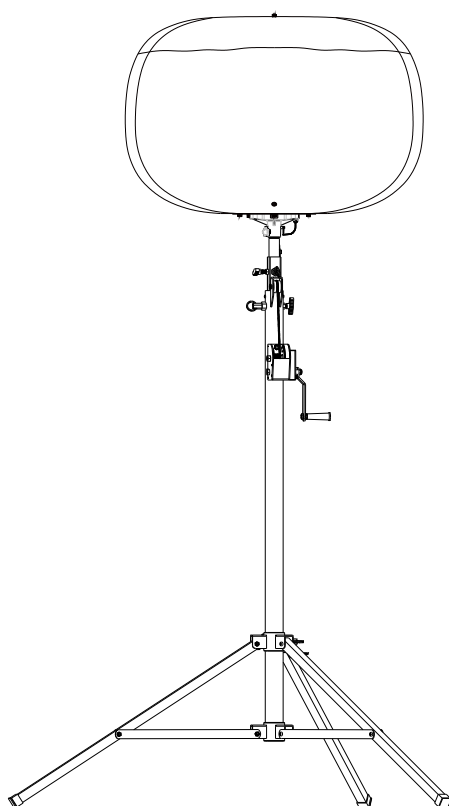


LED BALLOON LIGHT TOWER

User Manual
Series 60W-1400W



Original

Professional

Reliability

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WARNING

REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, GLARE, OR INJURY:

1. Do not stare directly at the powered light source.
2. Setup / foldback must be performed by qualified personnel.
3. Do not attempt to modify or repair the unit yourself — all service must be performed by our authorized personnel only.
4. Always disconnect the unit and wait for 15 minutes cool-down before servicing.
5. Do not operate the unit with a damaged envelope or without an envelope.
6. Do not operate the unit with damaged electronics or if parts are missing.
7. Do not operate the stand-mounted unit on an uneven surface or a sloping ground $>8^{\circ}$ from horizontal.
8. Do not use the unit if wind speed exceeds 100 km/h (62 mph).
9. It is recommended to use our stands. Just always tighten all T-handles firmly to avoid injury.
10. Be aware of local weather conditions and changes, especially wind speed. Adapt stand height accordingly.
11. Always use a Ground Fault Circuit Interrupter (GFCI) when operating near water or during inclement weather.
12. For USA / Canada, use only NEMA 5-15 plug extension cords connected to the correct electrical source outlets.
13. Use only inverter-type generators. Non-inverter generators may cause voltage / frequency fluctuations and damage the light.
14. Do not use the product if the cable is damaged, twisted, or tangled.

KEEP THESE INSTRUCTIONS WITH YOUR PRODUCT

02 PRECAUTIONARY PRINCIPLES

1. Do not leave the deflated envelope uncovered when not in use.
2. Store the unit in a dry, ventilated area away from heat sources and chemical products.
3. Make sure the envelope is completely dry before storage.
4. Do not use chemical solvents to clean the envelope. Use mild soap and water if necessary.
5. Protect the envelope by operating away from walls, projectiles, electric wires, trees, animals, etc.
6. Do not modify the electrical components or unit structure.
7. Do not operate the unit if the cable is damaged, twisted, or tangled.
8. Operate the unit with the air filter as clean as possible. A clogged filter raises internal temperature and shortens LED lifetime.
9. Care must be taken when handling the product in its original packaging. Be careful not to drop the product under its own weight.
10. Any damaged or torn container (envelope) must be replaced.
11. Heavy weight — take care of footing during setup and movement; always operate on stable, level ground.
12. In strong wind, stop use immediately to prevent tipping, and deflate the balloon.
13. Do not touch the unit with bare hands during operation or shortly after shutdown - the housing is hot.

**FAILURE TO COMPLY WITH ONE OR MORE OF THESE
RECOMMENDATIONS WILL LEAD TO THE LOSS OF
THE PRODUCT WARRANTY.**

03 PRODUCT OVERVIEW

KEY FEATURES

- ◆ 360° Glare-Free Illumination
- ◆ Wind-Resistant Up to 100 km/h
- ◆ Self-Inflating Balloon Envelope
- ◆ Fast Setup & Tear-Down
- ◆ Energy-Efficient LED Technology
- ◆ Wide Voltage 100-277 V AC
- ◆ Waterproof & Dust-Resistant (IP54)
- ◆ Dimmable: 50%/75%/100%

PRODUCT INTRODUCTION

Our LED Balloon Light Tower is a professional, high-output portable lighting solution designed for the most demanding work sites - construction, roadworks, mining, events, emergency response, and film production. The integrated balloon envelope delivers soft, 360° shadow-free illumination with low glare, while the rugged IP-rated housing ensures reliable operation in harsh environments. Available in eleven power ratings from 60W to 1400W PRO to suit any application scale.

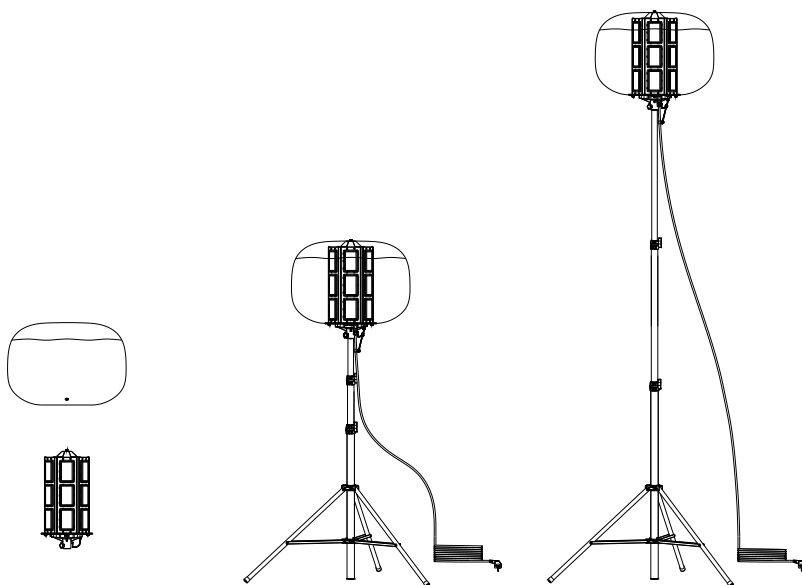


Fig.1 Product Overview

04 PRODUCT SPECIFICATIONS

All seven models share the same core technology with different power outputs. Select the right model for your application.

Model	AIR-XS SERIES			AIR-S SERIES	AIR-M SERIES		AIR-L SERIES		AIR-XL SERIES		AIR-MAX SERIES
Parameter	60W	150W	240W	320W	500W	600W	700W	800W	1000W	1200W	1400W
Power Consumption	60W	150W	240W	320W	500W	600W	700W	800W	1000W	1200W	1400W
Luminous Flux	9,600lm	24,000lm	38,400lm	51,200lm	80,000lm	96,000lm	112,000lm	128,000lm	160,000lm	192,000lm	224,000lm
Color Temperature	5000K										
LED Lifetime	50000H										
Input Voltage	100-277V AC										
Frequency	50/60Hz										
Beam Angle	360°										
Brightness Levels	0%/100%			50%-75%-100%							
IP Rating	IP54										
CRI (Ra)	≥80										
Power Factor	0.97										
Lighting Efficiency	160 lm/W										
Balloon Diameter	Ø 40 cm 15.75 in	Ø 40 cm 15.75 in	Ø 52 cm 20.47 in	Ø 60 cm 23.62 in	Ø 64 cm 25.20 in	Ø 64 cm 25.20 in	Ø 83 cm 32.68 in	Ø 83 cm 32.68 in	Ø 100 cm 39.37 in	Ø 100 cm 39.37 in	Ø 100 cm 39.37 in
Lamp Dimensions	Ø 125mm H 297mm	Ø 125mm H 315mm	Ø 200mm H 448mm	Ø 280mm H 514mm	Ø 280mm H 533mm	Ø 280mm H 533mm	Ø 280mm H 664mm	Ø 280mm H 664mm	Ø 280mm H 794mm	Ø 280mm H 794mm	Ø 280mm H 924mm
Fixture Weight	2.0 kg 4.41 lb	2.1 kg 4.63 lb	4.6 kg 10.14 lb	7.2 kg 15.87 lb	8.7 kg 19.18 lb	9.0 kg 19.84 lb	11 kg 24.25 lb	11.3 kg 24.91 lb	13.2 kg 29.1 lb	13.2 kg 29.1 lb	14.2 kg 31.31 lb
Recommended Tripod	Tripod-XS		Tripod-S		Tripod-N		Tripod-H		Tripod-L		
Operating Temp.	-20 to +40°C / -4 to +104°F										
Storage Temp.	-30 to +60°C / -22 to +140°F										

Note: Specifications are non-contractual, given for indication only and subject to change without notice.

05 PARTS LIST 60W-150W

Accessories List for 60W-150W

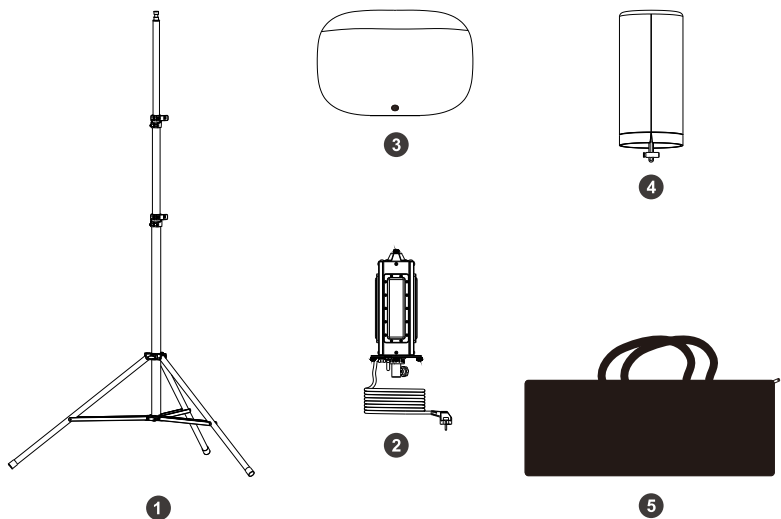


Fig.2 Standard Parts & Accessories

No.	Name	Description
1	Stand(sold separately)	4 stand options
2	Lamp Head	High-efficiency LED module, replaceable
3	Balloon Envelope	Self-inflating fabric balloon, 360° diffused
4	Dustproof Cover	Protective cover for the unit
5	Carry Bag	Lightweight design with handle for easy carrying

06 PARTS LIST 240W

Accessories List for 240W

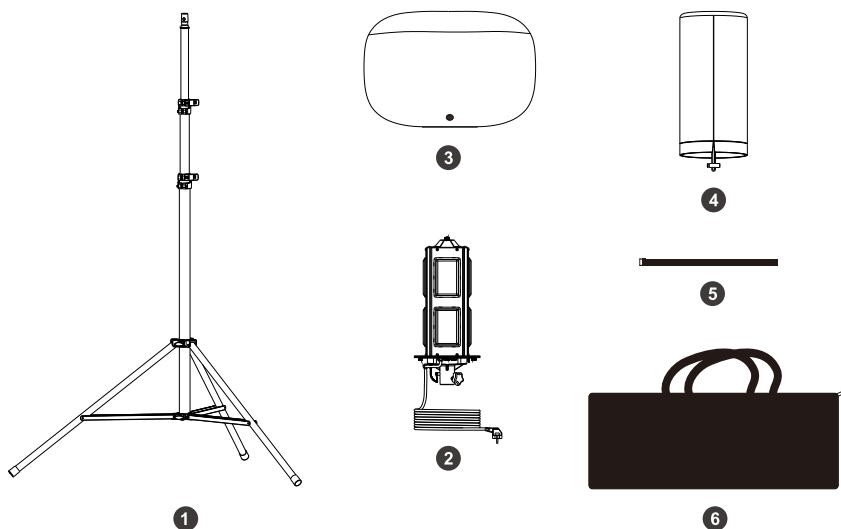


Fig.3 Standard Parts & Accessories

No.	Name	Description
1	Stand(sold separately)	4 stand options
2	Lamp Head	High-efficiency LED module, replaceable
3	Balloon Envelope	Self-inflating fabric balloon, 360° diffused
4	Dustproof Cover	Protective cover for the unit
5	Velcro strap	Used for tying up the inflatable cover tightly
6	Carry Bag	Lightweight design with handle for easy carrying

07 PARTS LIST 320W-1400W

Accessories List for 320W-1400W

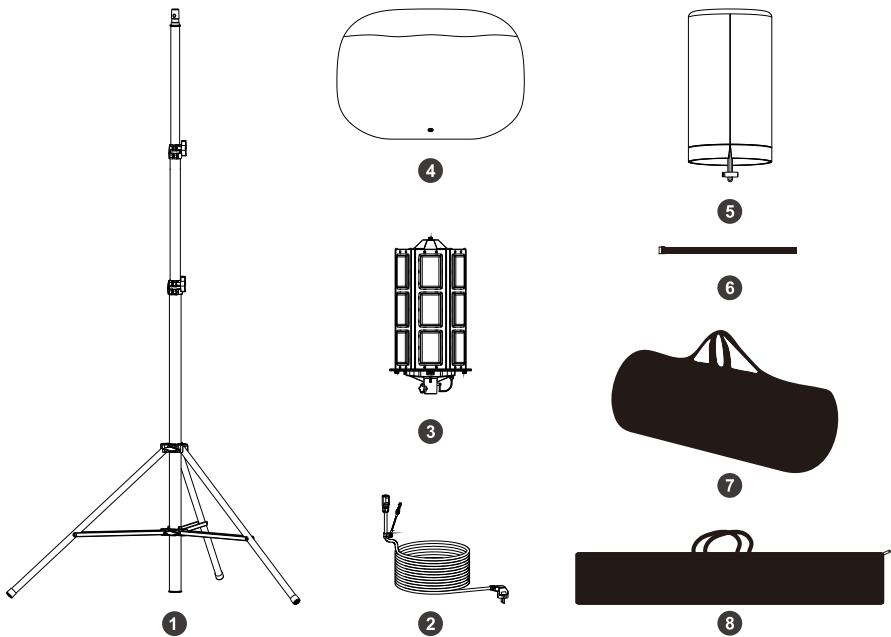


Fig.4 Standard Parts & Accessories

No.	Name	Description
1	Stand(sold separately)	4 stand options
2	Power Supply Cord	5m or 10m options
3	Lamp Head	High-efficiency LED module, replaceable
4	Balloon Envelope	Self-inflating fabric balloon, 360° diffused
5	Dustproof Cover	Protective cover for the unit
6	Velcro strap	Used for tying up the inflatable cover tightly
7	Carry Bag (for Lamp Body)	Lightweight, with handle for easy transport and storage of the lamp body
8	Carry Bag (for Tripod)	Lightweight, with handle for easy transport and storage of the tripod

08 INSTALLATION GUIDE 60W-150W

Installation Diagram For 60W-150W

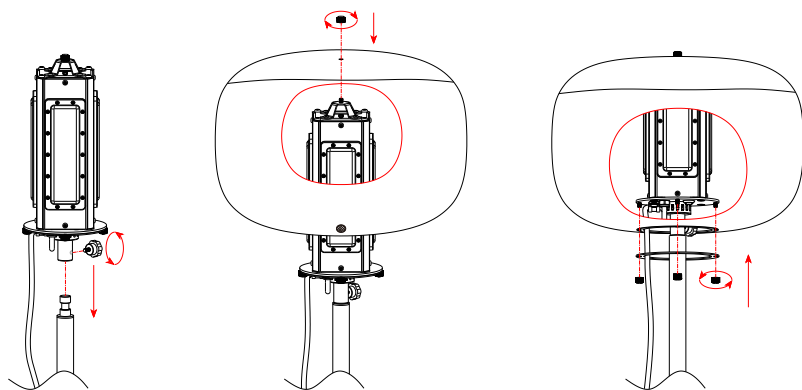


Fig.5 Installation Diagram

1. Loosen the screws on the side of the lamp base, place the top of the tripod from above, tighten the side screws, and firmly secure the lamp head to the tripod;
2. When replacing the inflatable lampshade, wrap the lampshade around the lamp from top to bottom, insert the screw on the top of the lamp through the central hole of the lampshade, and tighten the nut;
3. Loosen the screws on the lamp base, align the four reserved holes at the bottom of the inflatable lampshade with the screws on the base, install the aluminum ring to press down the lampshade, and finally tighten the nuts. The installation is complete.

Power ON/OFF

Confirm the tripod and light are securely fixed. Plug the cable firmly into the outlet. Turn on the power switch on the bottom of the light. The fan starts, the envelope inflates automatically, and the LED lights up. When finished, turn off the power switch, then unplug. The envelope will deflate automatically.

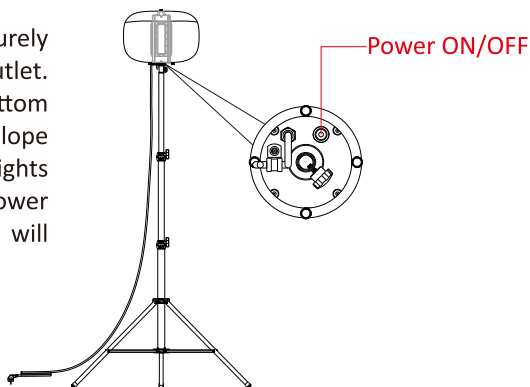


Fig.6 Control Panel & Switch

09 INSTALLATION GUIDE 240W

Installation Diagram For 240W

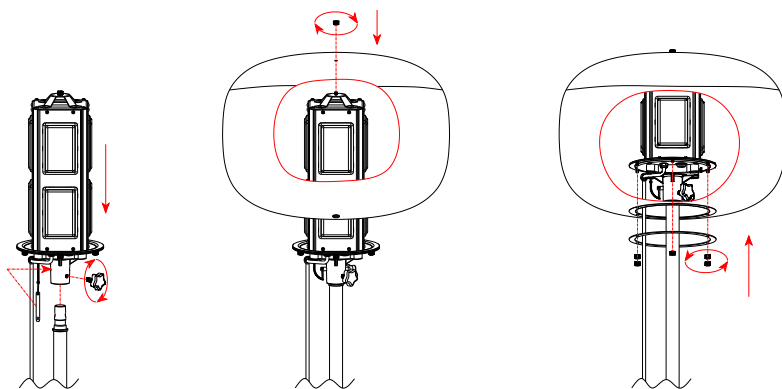


Fig.7 Installation Diagram

1. Loosen the screws on the side of the lamp base, pull out the pin, place it from top to bottom into the top of the tripod, tighten the screws on the side, and then insert the pin through the base to firmly secure the lamp head to the tripod;
2. When replacing the inflatable lampshade, wrap the lampshade around the lamp from top to bottom, insert the screw on the top of the lamp through the central hole of the lampshade, and tighten the nut;
3. Loosen the screws on the lamp base, align the six reserved holes at the bottom of the inflatable lampshade with the screws on the base, install the aluminum ring to press down the lampshade, and finally tighten the nuts. The installation is complete.

Power ON/OFF

Confirm the tripod and light are securely fixed. Plug the cable firmly into the outlet. Turn on the power switch on the bottom of the light. The fan starts, the envelope inflates automatically, and the LED lights up. When finished, turn off the power switch, then unplug. The envelope will deflate automatically.

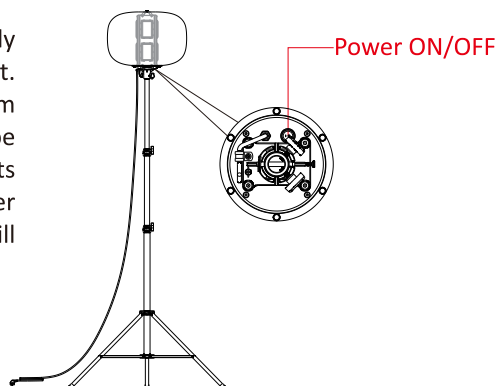


Fig.8 Control Panel & Switch

10 INSTALLATION GUIDE 320W-1400W

Installation Diagram For 320W-1400W

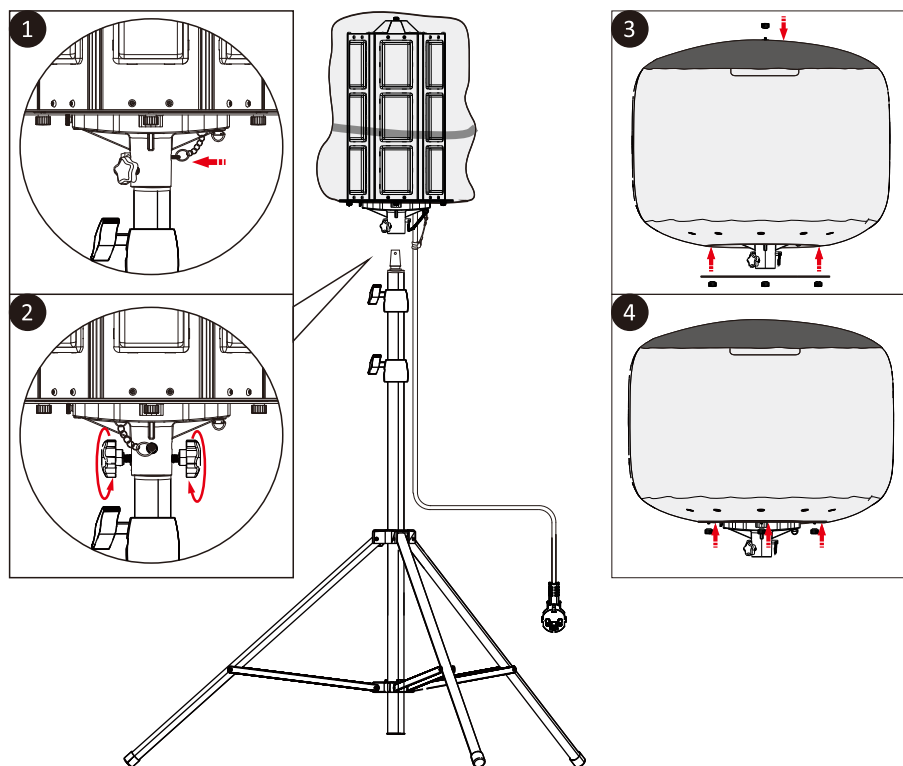


Fig.9 Installation Diagram

1. Loosen the screws on the side of the lamp base, pull out the pin, place it from top to bottom into the top of the tripod, tighten the screws on the side, and then insert the pin through the base to firmly secure the lamp head to the tripod;
2. When replacing the inflatable lampshade, wrap the lampshade around the lamp from top to bottom, insert the screw on the top of the lamp through the central hole of the lampshade, and tighten the nut;
3. Loosen the screws on the lamp base, align the six reserved holes at the bottom of the inflatable lampshade with the screws on the base, install the aluminum ring to press down the lampshade, and finally tighten the nuts. The installation is complete.

11 POWER CONNECTION & POWER ON/OFF

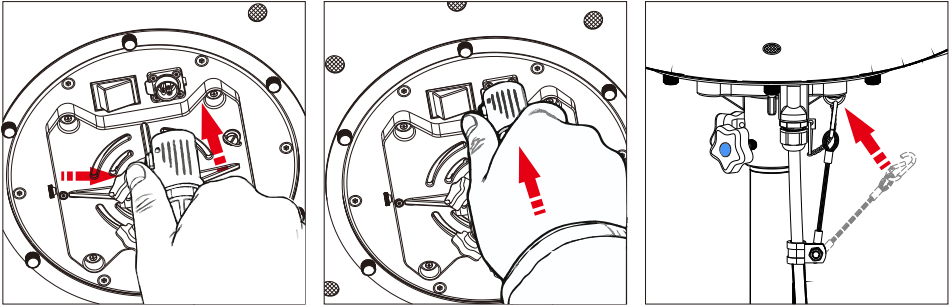


Fig.10 Power Connector

STEP 1 - Check the Connector Orientation

Verify the orientation of the power cord connector. Align the pins and push the connector all the way into the light's inlet until it clicks. To disconnect, press and hold the lock-release button while pulling out.

STEP 2 - Verify Connection

Pull gently on the connector to confirm it is locked and cannot be pulled out.

STEP 3 - Attach the Safety Wire

Loop the safety wire attached to the cable over the hook on the light fixture to prevent the connector from falling or being damaged.

POWER ON / OFF

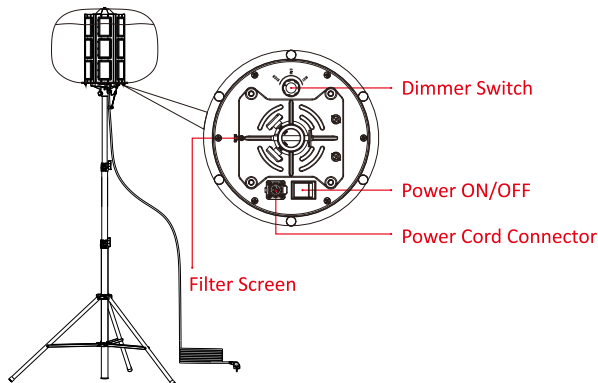


Fig.11 Control Panel & Switch

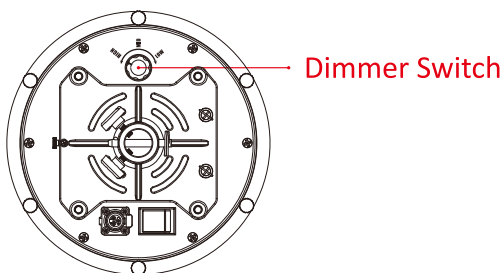
Confirm the tripod and light are securely fixed. Plug the cable firmly into the outlet. Turn on the power switch on the bottom of the light. The fan starts, the envelope inflates automatically, and the LED lights up. When finished, turn off the power switch, then unplug. The envelope will deflate automatically.

12 BRIGHTNESS CONTROL & DIMMING

The brightness of products with a power of 320W or above can be adjusted.

Mode	Brightness	Application
LOW	50 %	Indoor, close-range, energy saving
MID	75 %	Medium range, general work
HIGH	100%	Maximum output, large open sites

- ◆ The brightness is controlled by the dimming switch on the bottom of the fixture.
- ◆ Turning the dimming knob can switch the product brightness back and forth: 100%→75%→50%→75%→100%.
- ◆ The current brightness is indicated by the position of the indicator arrow on the rotary switch.



TIP: For longest LED lifetime, operate at 75% brightness when full output is not required.

13 MAINTENANCE: AIR FILTER

Products with a power of 240W or above require replacement of the air filter.

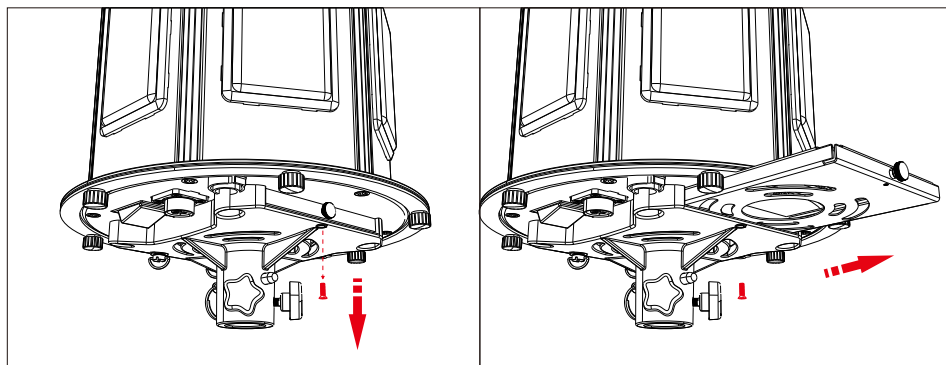


Fig.12 Air Filter Location

CLEANING INTERVAL

- ◆ Inspect the air filter every 50 operating hours. Clean immediately if the filter appears discoloured or visibly clogged.
- ◆ A clogged filter raises internal temperature and shortens LED lifetime.

CLEANING PROCEDURE

1. Disconnect power and wait 15 minutes for the unit to cool down completely.
2. Under the south pole plate, remove the rain-cover protection by unscrewing its 1 screws.
3. Slide the sponge-type air filter out along the support stand.
4. Wash the filter with mild soap and water. Allow it to dry completely before reinstallation.
5. Reinstall the clean (or new) air filter, then reattach the rain-cover protection with its 1 screws.

14 ADJUST HEIGHT

Adjust the tripod to a suitable working height. For different products, the following Tripod models are recommended:

◆ **60W/150W:**

Recommended Model: Tripod-XS

Minimum Height: 725mm, Maximum Height: 1800mm

◆ **240W:**

Recommended Model: Tripod-S

Minimum Height: 860mm, Maximum Height: 2200mm

◆ **320W / 500W / 600W:**

Recommended Model: Tripod-N

Minimum Height: 1130mm, Maximum Height: 2800mm

◆ **700W/800W:**

Recommended Model: Tripod-H

Minimum Height: 1630mm, Maximum Height: 4800mm

◆ **1000W / 1200W / 1400W:**

Recommend Model: Tripod-L

Minimum Height: 1050mm, Maximum Height: 4000mm

Customers can freely choose the tripod they need according to their requirements, And the tripod can be compatible with any model of product.

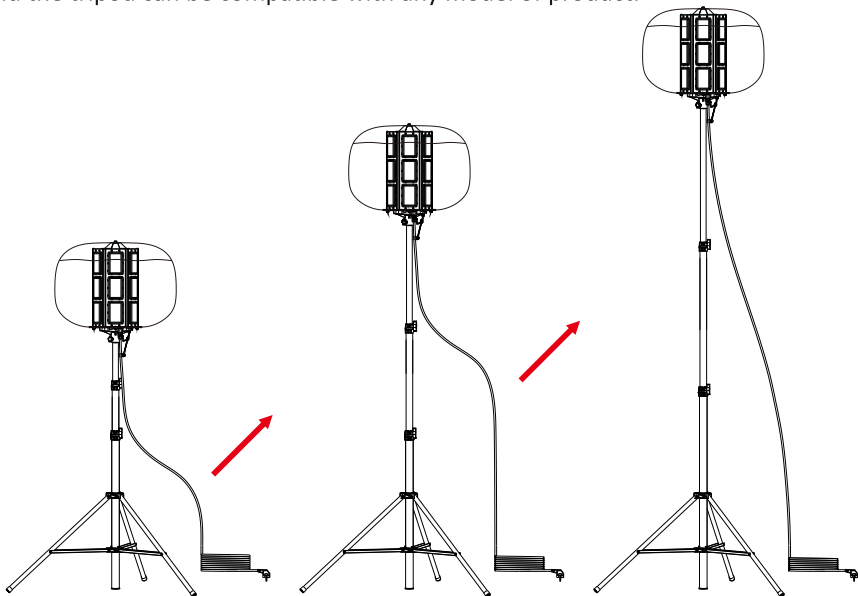
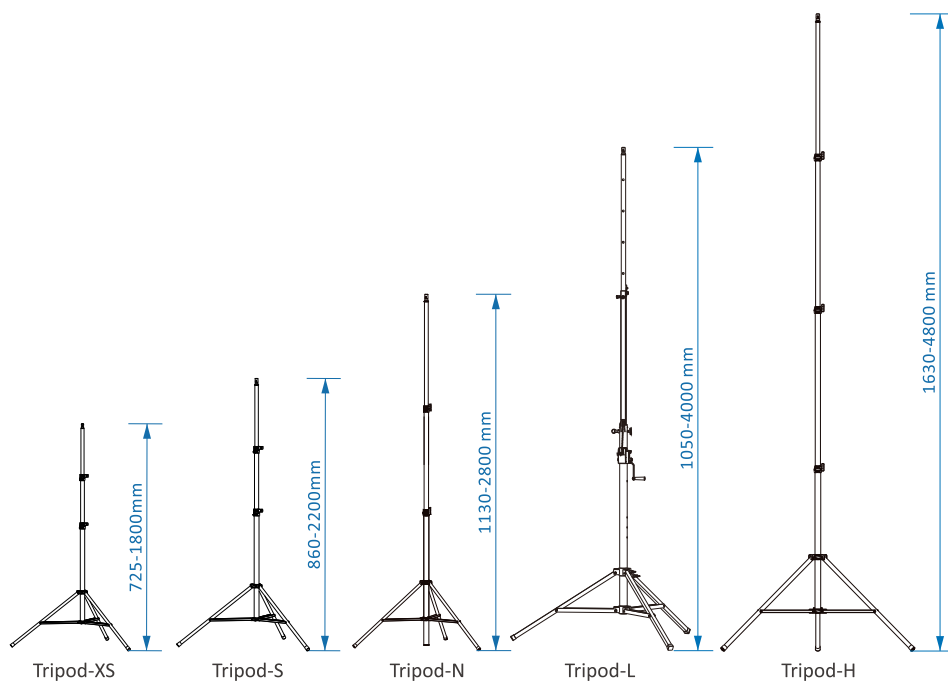


Fig.13 Height Adjustment

15 ACCESSORIES TECHNICAL DATA

TRIPOD STANDS

Model	Weight	Height Range	Suitable For
Tripod-XS	1.5 kg	725-1800mm	60W-150W
Tripod-S	3.1 kg	860-2200mm	240W
Tripod-N	4.7 kg	1130-2800mm	320W-600W
Tripod-H	12.1 kg	1630-4800mm	700W-800W
Tripod-L	19.2 kg	1050-4000mm	1000W-1400W



16 TROUBLESHOOTING

Before requesting service, please check the following common issues.

Symptom	Possible Cause	Solution
Does not light up	No power at the outlet	Check power supply and breaker
Does not light up	Power switch is OFF	Turn on the switch
Does not light up	Plug not fully inserted	Re-insert firmly, wait 10 s between attempts
Does not light up	Outlet fault	Try a different outlet
Does not light up	Possible earth leakage	Unplug, wait a while, re-insert
Light flickers	Unstable voltage	Use a stable power source or inverter generator
Balloon does not inflate	Air filter is clogged	Clean or replace the air filter
Balloon does not inflate	Envelope zipper not closed	Close the zipper fully
Light output is reduced	Dimming set to 50% or 75%	Switch to 100% mode
Overheating alarm	Filter clogged or blocked vents	Clean the filter, ensure ventilation
Unusual noise or smell	Internal fault	Switch off immediately and contact service

17 WARRANTY

We are proud of the quality and reliability of our LED Balloon Light products. The following warranty coverage applies:

The entire LED Balloon Light is covered by a 5 (five) year warranty from the date of purchase against manufacturing defects, under correct use conditions.

The ball cover is a consumable item - each luminaire is equipped with one ball cover, and normal wear and tear of the ball cover is not covered under warranty. If the ball cover is damaged and needs to be replaced, please contact the dealer to purchase a replacement.

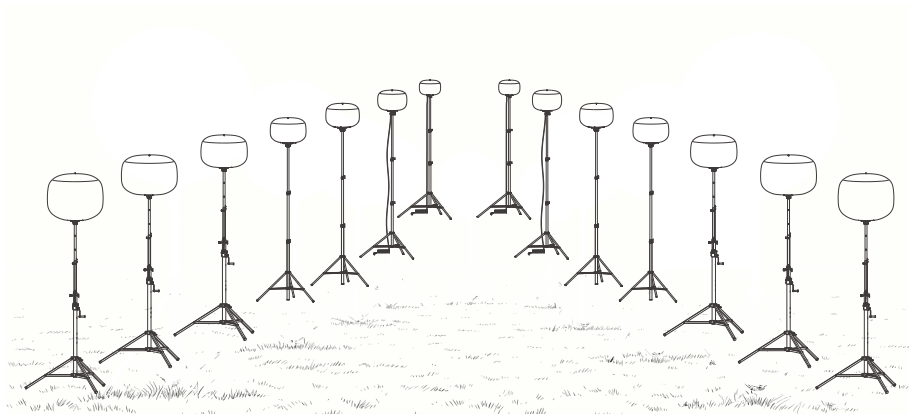
CLAIM PROCEDURE

1. Contact authorised dealer to initiate a warranty claim.
2. Send the unit (via ground shipping), together with a copy of the original invoice, to dealer for technical analysis.
3. Our technicians will determine if the issue is covered under warranty.
4. After repair, we will return the unit at our expense via ground shipping (express available at extra charge).
5. If complete unit replacement is required, we must receive the original unit before shipping a replacement.

WARRANTY EXCLUSIONS

- Damage caused by improper use, unauthorized modification or repair, or use of non-original parts.
- Damage caused by accidents, impact, water immersion, fire, or acts of nature.
- Normal wear and tear of consumable parts (envelope, air filter).
- Damage caused by use with non-inverter generators or improper power sources.

18 ACKNOWLEDGEMENTS



ACKNOWLEDGEMENT

Thank you for choosing our LED Balloon Light Tower. We are committed to providing you with safe, reliable and innovative lighting solutions for the most demanding environments.

