



FUJI

PORTABLE LIGHT TOWER
OPERATORS MANUAL



Scan for more information

- 1. Safety
- 2. Component Overview
- 3. Operation Instructions
- 4. Technical Specification
- 5. Maintenance
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1. SAFETY

Fuji is intended for temporary illumination. Fuji is designed to protect the operator as much as possible and all-important safety functions are clearly labeled. It is however a requirement that the operator understands the limitations of this equipment by reading this manual.

**OPERATION SHALL ALWAYS BE CARRIED OUT BY AUTHORIZED, SKILLED PERSONNEL.
READ THIS CAREFULLY BEFORE OPERATION TO AVOID PERSONAL INJURY OR VOID WARRANTY**

- **ALWAYS** deploy the stabilizing legs, secure their locking and make sure light tower is firmly secured to the ground and stands level before the armature and mast is raised.
- **ALWAYS** make sure the area above the light tower is open and clear of overhead wires and obstructions.
- **ALWAYS** lower the mast when not in use, or if high winds or electrical storms are expected in the area.
- **ALWAYS** use electrical connections with protective earth and ground fault switch.
- **ALWAYS** keep area around the light tower clear of people while raising and lowering the mast.
- **ALWAYS** wear helmet and correct PPE gear when operating mast.
- **NEVER** hold on to the armature or mast sections when raising the mast.
- **NEVER** deploy and operate a light tower in strong winds
- **NEVER** operate a light tower in need of repair.
- **NEVER** operate a light tower while tired, distracted, or under the influence of drugs or alcohol.
- **NEVER** put any extra weight/equipment on mast or armature.
- **NEVER** use chemical substances or high-pressure water to clean/rinse light tower. Use garden hose pressure only.
- **AVOID** looking directly into the light source.

SAFETY LABEL GUIDE

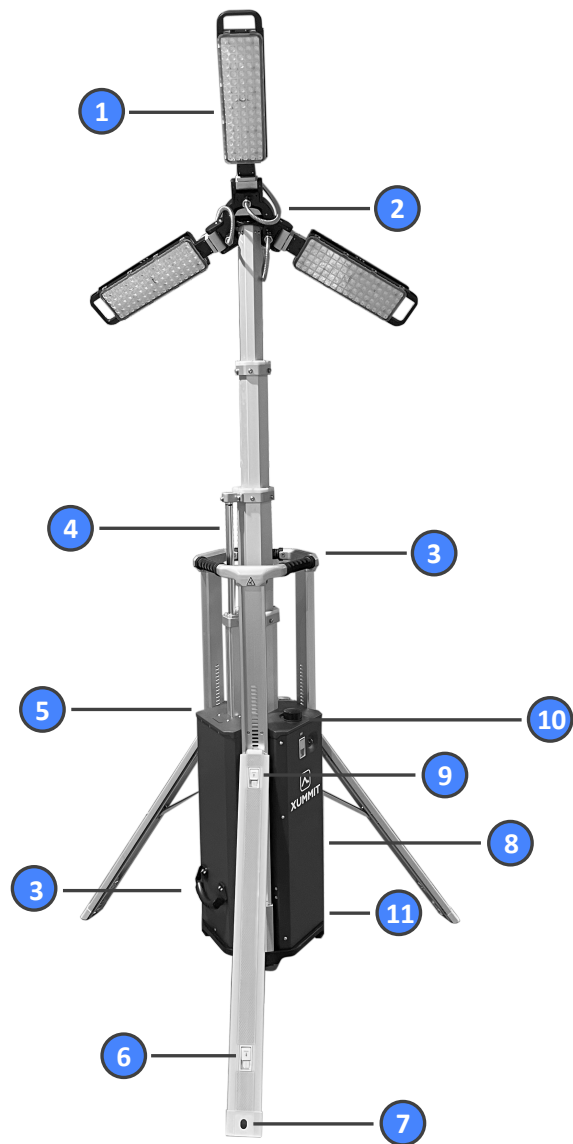
These signs inform the user of any danger which may cause damages to persons.

Signs	Meaning
	Risk of electric shock
	Danger of hand crush
	Read user manual before operating light tower

The manufacturer is not responsible of any damage to things or persons, resulting as consequence of inobservance of safety norms.

2. COMPONENT OVERVIEW

- 1. LED Lights
- 2. Top Arm
- 3. Handles
- 4. Electric Mast
- 5. Control Panel *(see below for details)*
- 6. Stabilizer Release Latch
- 7. Stabilizer Stake Holes
- 8. Battery Compartment
- 9. Stabilizer Return Latch
- 10. Light Sensor
- 11. Puncture Proof Wheels *(not shown in image)*



CONTROL PANEL

- 12. AC Circuit Breaker
- 13. Battery Display
- 14. Brightness Selector
- 15. AC Power Indicator
- 16. Ground Terminal
- 17. Battery Power
- 18. Light Mode
- 19. Mast Control
- 20. AC Power Inlet



3. OPERATION INSTRUCTIONS

3.1 HANDLING & TRANSPORT

Fuji is designed for single person moving and deployment and two person lifting.

3.2 PRELIMINARY CHECK

Before every usage, the operator must check the mast, top arm, base, electrical wires & sockets for damage. Any damage found on these items requires immediate service. Do not proceed with operations until fault is removed.

3.3 GROUNDING

For operators’ safety, the AC inlet is grounded. If the incoming power supply is not grounded, the grounding of the machine always needs to be done. Always perform grounding operations in compliance with local/international regulations.

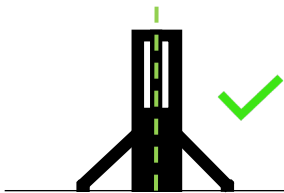
3.4 POSITIONING

Position the mast on a stable, flat surface. Angle the unit with the front facing the area you intend to illuminate.

3.5 STABILIZING LIGHT TOWER



Lift “release” latch to drop each stabilizer to the ground



Lift the unit so each stabilizer is secure, and the tower stands level to the ground before proceeding



Stake stabilizer legs to ground in strong winds

WARNING!!!

DO NOT RAISE THE MAST IF ALL STABILIZERS ARE NOT CORRECTLY DEPLOYED.

3.6 POWERING UP

Battery Power



Press and hold battery power button to activate system

Mains Power



1. Connect to mains power source
2. Switch circuit breaker ON

Sleep Mode Activation: After 25 minutes of inactivity, the system powers down to save battery.

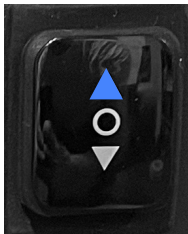
3.7 LIGHT HEAD CONFIGURATION



IMPORTANT!



1. Before raising the mast, press red safety button and slide out transport chain to unlock mast



2. Press and hold **UP** arrow.
Mast automatically stops at head adjustment height

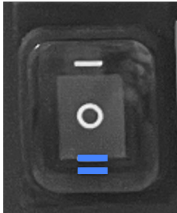


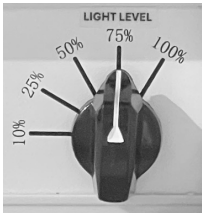
3. Lift and tilt light heads to the required light beam direction

3.8 RAISE MAST

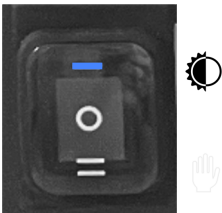
- After completing light head configuration steps, press and hold the **UP** arrow to raise mast to required height.
- **Beware of overhead obstructions**
- Mast will automatically stop at **MAX** height (3.8m)

3.9 TURN ON & CONTROL LIGHTS





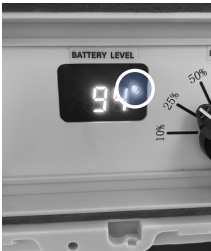
- To control lights manually select “”
- Select brightness setting (10%, 25%, 50%, 75%, 100%)



- Daylight sensor mode, select “”
- Brightness will be controlled by sensor.

3.10 CHARGING BATTERY

- The battery will automatically enter charging mode when the unit is connected to AC power.
- Charging is indicated by the green light on the battery’s State of Charge (SOC) display.
- **Charging Times:**
 - Up to 80%: ~3.5 hours
 - Full charge (100%): ~4.5 hours
- Charging time remains the same regardless of whether the light is on or off, or the light output setting.
- If no battery is installed, the display will show “---”.
- Refer to the **Technical Specifications** section for operating and charging temperature ranges.



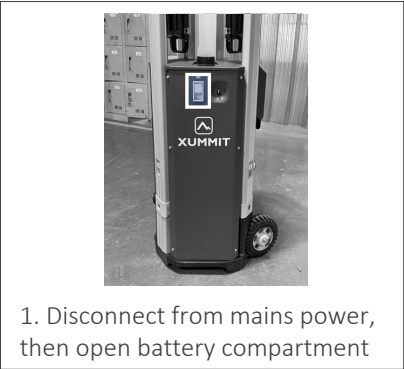
Charging Indicator

Battery Run Times

Output %	Run time
100%	4 hrs
75%	6 hrs
50%	8 hrs
25%	16 hrs
10%	40 hrs

Run times are based on 25°C ambient temperature and may vary depending on environmental conditions.

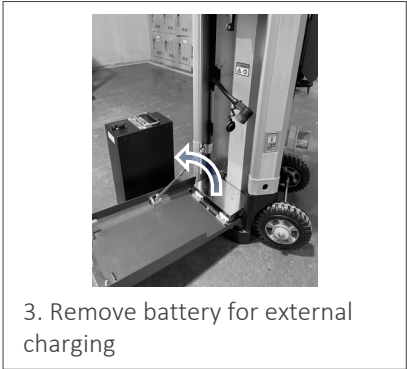
3.11 EXCHANGING BATTERY



1. Disconnect from mains power, then open battery compartment



2. Disconnect battery power plug



3. Remove battery for external charging

- Repeat the process in reverse with replacement battery

3.12 STOPPING

- Press Light Mode Switch to **OFF**
- Hold the mast button **DOWN** until the mast automatically stops at head adjustment height.
- Fold the light heads down to transport position. Use light head handles as lights may be hot from operation.
- Hold the mast button **DOWN** until the mast is fully encased in the chassis. Mast motor will automatically stop.
- **In Battery Mode:** Turn off battery power button
- **In AC Mode:** Switch off main breaker and disconnect power
- Insert the transport lock
- Lift each stabilizer **RETURN** latch and return stabilizers to transport position.



Stabilizer **RETURN** latch

4. TECHNICAL SPECIFICATION

Model	
Series	Fuji
Model No.	BLT-300
Performance	
Illuminated surface	980 m2
System Power	300 W
Luminous Flux	48,000 lm
Lumen/W	160
Color temperature (CCT)	5000K
Electrical	
Operating Voltage	220-240VAC, 50Hz
Power Factor	>0.92
Electrical Class	Class I
Protection	Over Voltage, Over Temp., Short Circuit
Dimmable	Yes
Input Plug	CEE 230V 16A 2P+E

Environmental	
Ambient Operating Temp. Range	-10°C to +45°C
Storage Temp. Range	-40°C to +80°C
Charging Temp. Range	0°C to +45°C
IK class	IK09
IP class	IP65 (lighting) / IP54 (chassis)
Noise Emissions	<15 dB
Physical	
Fully extended height	3.8 meters
Elevation system	Electric
Mobility	By hand / crane / forklift
Dimensions (min.)	340 x 385 x 1088 mm
Dimensions (max.)	1303 x 1129 x 3810 mm
Wind Resistance	30 m/s
Housing Finish	UV stabilised powder coating
Weight	38kg (tower only) 47kg (with battery)

Specifications may vary depending on territory and are subject to change without notice.

5. MAINTENANCE

Maintenance operations shall be carried out on the light tower when at rest. Ordinary and/or extraordinary maintenance shall always be carried out by authorized, skilled personnel. Maintenance personnel shall be equipped with proper Personal Protective Equipment (PPE).

Period of inactivity

If the light tower is not used for more than 3 months:

Upon powering the machine on again, a **visual inspection** must be conducted on the following components:

- Electric connections
- Floodlights
- Steel cables
- Serrations of the telescopic mast

Any damage found on these items requires immediate service. **Do not proceed with operations until the fault is resolved.**

Battery Consideration:

If the light tower has been inactive for more than 3 months, it is important to **check the battery level before use.**

- **Charging:** Charge the battery if the charge level is **below 20%** to ensure optimal performance during operation.
- **Low Battery Alert:** If the battery is critically low, the system will **automatically enter a low-power state.** Ensure the battery is adequately charged before operating the light tower.
- **Long Term Storage:** If storing the battery for more than 3 months, store it at a range of 50% to 70% capacity to prolong battery life.

6. TROUBLE SHOOTING

Error Codes

Errors are indicated on the control panel display showing "E" followed by error code.
If multiple errors are detected the display will show the error codes cyclically along with normal data.

Monitored Systems: Light sensor, battery, charger, electric mast and communication errors.

Situation	Error Codes	Possible Causes	Solution
Charger Errors	E01 to E08	Connection issues, overheating	Verify that the charger is not charging outside the temperature range. Check the battery is connected. If issue persists, contact distributor.
Battery Errors	E11 to E15	Communication issues, over/under voltage	Check the battery connections and cables for damage or corrosion. Verify that the battery is not discharging outside the temperature range. If the issue persists, consider replacing the battery.
Mast Motor Errors	E16 to E18	Over current, sensor faults	Check for any blockage or mechanical resistance in the motor or mast actuator. If issue persists, contact distributor.
Light Sensor Error	E21	Faulty or obstructed sensor	Inspect the light sensor for physical damage or obstruction. Clean the sensor to ensure it is not covered by dirt or debris. If the issue persists, replace the sensor.
No Battery Installed	E25	No battery detected when AC Power is on	Ensure the battery is correctly installed and connected. If the error persists, check for issues with the battery terminals or the battery itself. If the battery is faulty, replace it.

Sound Prompts

- **Lift Limit:** Buzzer beeps when reaching limit positions.
- **Power-on/Shutdown Prompt:** Single beep for power on/off.
- **Warning Prompt:** Short, repeated beep for warnings (e.g., motor failure).
- **Fault Protection:** Continuous beeping for faults like motor overcurrent.

7. DISPOSAL & RECYCLING



After end of the lifetime this machine shall be disposed according to the national rules. It’s recommended that it is disposed by waste management companies certified according to ISO 14001. The ISO 14001 defines global valid criteria for efficient environmental management system.



- All energies from the machine are to be cut off.
- Clean the machine from hazardous environment deposits.

Basically, any machine should be divided into the follow waste classes:

Any kind of fluids should be separated in container and labelled accordingly. Other, Light metal, bronze. steel, synthetic material, electronic components, and so on.

The driver contains raw material that should be recycled to preserve energy and natural resources. The package material is environmentally compatible and recyclable. All metal parts can be recycled. The plastic parts can either be recycled or burned under controlled circumstances, according to local regulations. Most recyclable parts are marked with recycling marks.

If recycling is not feasible, all parts excluding electrolytic capacitors can be landfilled. The DC capacitors contain electrolyte which is classified as hazardous waste within the EU. They must be removed and handled according to local regulations.

Note:
There are several certified waste management companies which takes the complete machine.

Machine waste	Disposal
Oil (e.g Lubrication oil)	The differed kind of oil are considered to be special waste, and must be disposed of through a certified company
Spare Parts	Spare parts from the machine need to separate according to the materials. Afterwards handover to a certified company.
Complete Machine	There are several certified waste management companies which takes the complete machine, deconstructed and recycling the raw materials.

Battery Disposal (WEEE Declaration)

The battery included with this machine is marked with the symbol of a crossed-out dustbin, in accordance with the applicable EU WEEE (Waste Electrical and Electronic Equipment) directive. This symbol indicates that the battery must not be disposed of with general household waste.

At the end of its useful life:

- Fully discharge the battery as far as possible.
- Remove it from the light tower and deliver it to an authorized battery collection or recycling point.
- Do not incinerate, crush, or disassemble the battery.
- Improper disposal or storage may result in health risks, environmental pollution, fire, or explosions.

All disposal activities must follow national and local regulations. Certified waste management companies (preferably ISO 14001 certified) are recommended for handling and recycling of lithium-based batteries.