

The image shows two tall, black and orange light towers (TL-500) positioned on a construction site at night. The towers are illuminated from within, casting a bright glow. In the background, a yellow excavator is visible, and several workers in orange safety vests are standing near a yellow vehicle. The ground is muddy and uneven.

TL-500

**SINGLE-PERSON OPERATED
BATTERY POWERED
PORTABLE LIGHT TOWER**

ZERO

- NOISE
- EMISSIONS
- FUEL CONSUMPTION



0dB Quiet Operation



50Kg-Class
Single-Person Rapid Deployment



0 Diesel Cost



Triple Wheel + Self-Locking Leg
Adapts To All Terrains



0 Carbon Emissions



IP65 Weatherproof
Wind Resistance Level 8



0 Maintenance Cost



Lithium Battery Powered
Versatile For Various Sites



0 Trailer Cost



Fully Rotatable Head & Adjustable
Beam Angle For Versatile Lighting Area

TL-500 cuts both equipment and life-cycle consumption / transportation / maintenance costs compared to the traditional fuel generator light tower.

COST



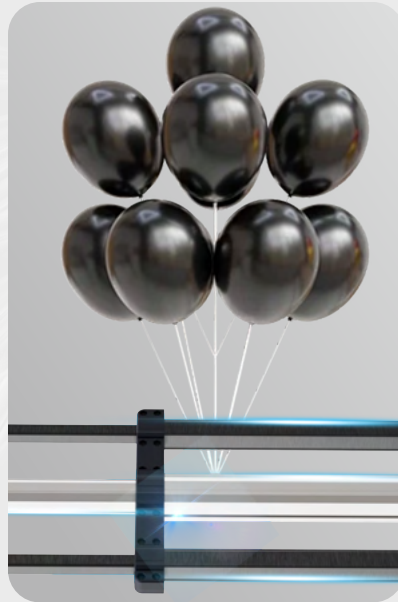
MOS (Months of service)

High Elongation Ratio For Easy Storage And Transport



Unique Cloud-Axis Electric Telescopic Pole

Original mechanical structure that maximizes weight reduction while maintaining stability.



IP65, resistant to 8-level winds, corrosion-resistant, available in most climates.



Each lamp head can be adjusted freely.

Unidirectional
Multi-Point Lighting



360° Lighting with
Adjustable Coverage



180° rotation around the
shared X-axis of the two
modules



360° rotation around
the X-axis



180° rotation
around the Y-axis



Multi-Level Self-Locking Support Legs

Adapt to all terrains, whether it is steps, slopes or potholes.



Integrated dual-axis level, easily find the balance point



Unique Coaxial 3-Wheel Design



Easy one-person transport on any terrain.



Special slots are compatible with small warning lights.



A handle that provides the best grip doubles as lift point.

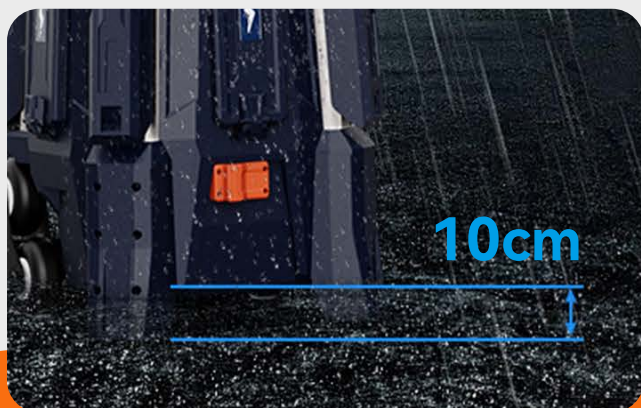


Climbs heights without a forklift if necessary.



Stays stable on muddy ground with maximum contact surface.

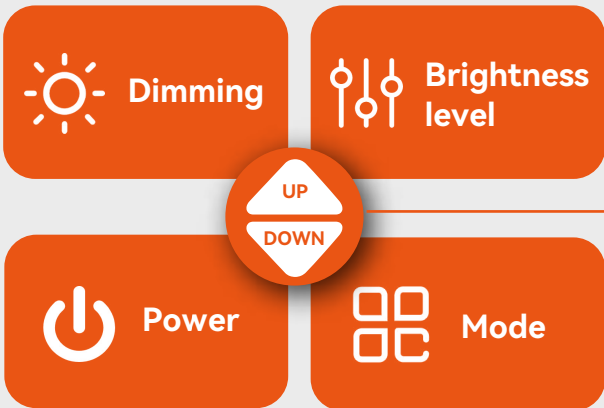
Wading depth up to 10cm refers to the water line mark on the light tower body.



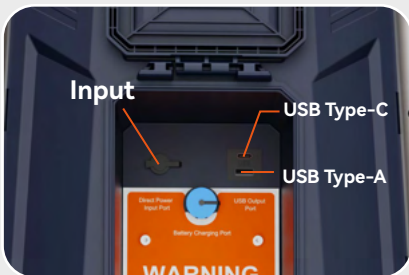
Humanized Design Hidden In The Details

Handheld controller

With spring wire, no need to bend over to operate.



Multifunctional storage space design



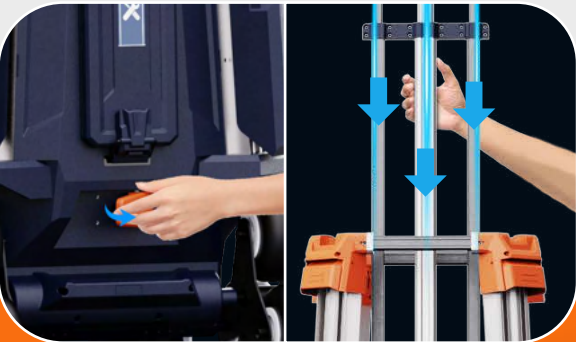
Equipped with multiple interfaces to charge devices



Waterproof toolbox

Didn't change the battery in time? Don't worry.

Disengage the clutch, then manually retract the pole.



Ultra-Long Working Hours



D24-500 (3Kg)

Portable lithium battery with large capacity in a small size



10 - 100 Hours

Turbo Mode

Eco Mode

With 3 of fully charged battery power alone, it can provide 10-100 hours lighting.



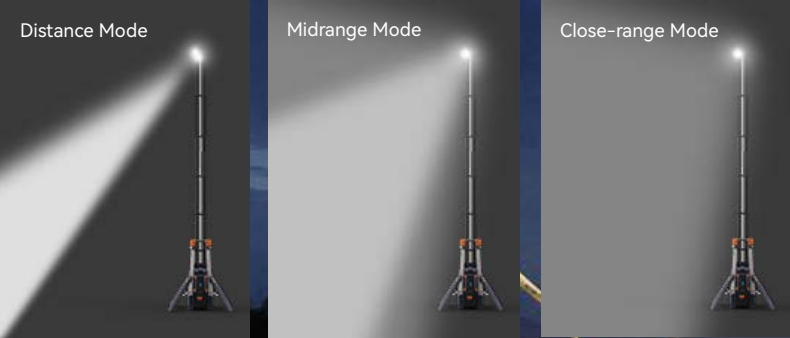
X3

It also supports using an AC driver for direct power connection.



High-Efficiency LED Light Source

Free switching of multiple angles.



4.2M
Battery-powered
Up To **33,000LM**

5.3M
Battery-powered
Up To **35,000LM**

4 Levels of Brightness (Battery Powered)

	Eco	Balanced	Standard	Turbo
5.3M	3,000LM	10,000LM	18,000LM	35,000LM
4.2M	2,800LM	9,500LM	17,000LM	33,000LM

The brightness and battery level can be viewed on the controller when using batteries.



4.2M
AC Powered
Up To **62,000LM**

5.3M
AC Powered
Up To **65,000LM**

Stepless Dimmable (AC Powered)



When AC powered, knob on driver controls 0-100% dimming.



Optional Accessories

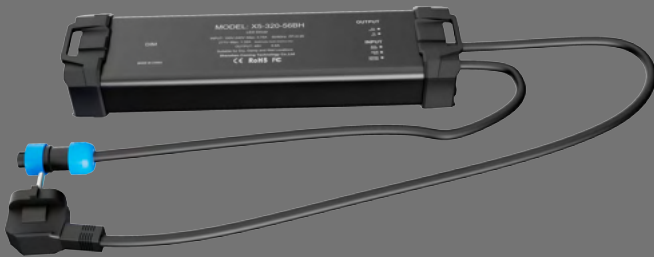
A variety of accessories are available to expand the power supply options.



Charger (MC-2H)



Battery (D24-500)



Driver - AC100-277V Input (X5-320)



TKC-9H

FS8-200

9 Bay Charger Case (3x D24-500 Available)
+ Solar Panel



One-Person Operation

Only one operator is needed to transport, deploy, and adjust lighting.



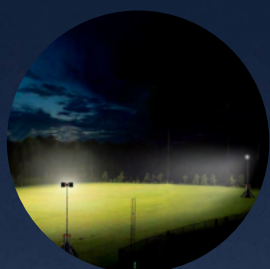
Construction



Mining



Emergency



Sport



Firefighting



Event

The total light tower weight is
(excluding battery pack).

50 kg (4.2m) **52 kg** (5.3m)

For quick deployment in emergencies this equipment fits easily into standard SUVs for single-person loading. ★



★ Proper securing and part locking are crucial during transport. Two or more people are required for lifting unless a forklift is available.

Parameter

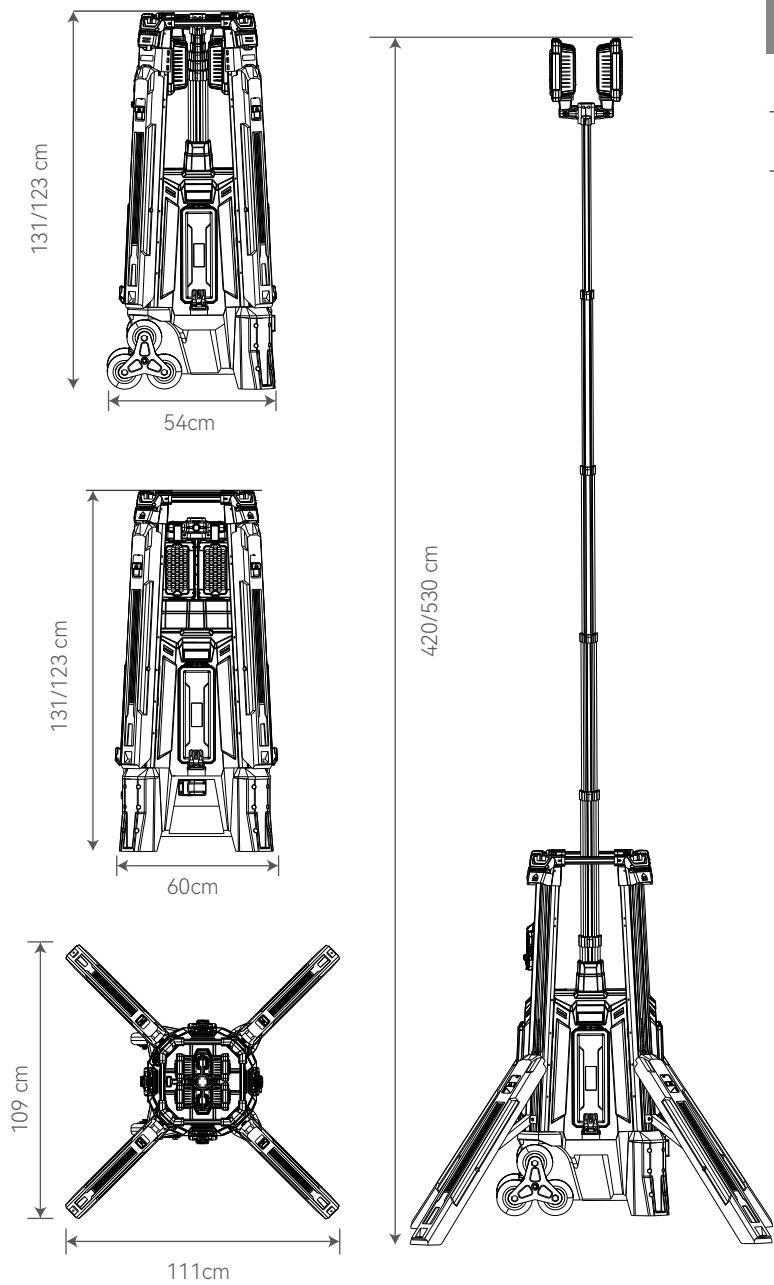
TL-500 4.2m

Height	4.2m
Weight	50Kg (Fitting only)
Power Supply	Battery / AC 100-277V
Lumens	Battery 0-33,000LM / AC 0-62,000LM
Run Times	>20h (Standard mode, D24-500 x 3)
IP Grade	IP65
Output(USB)	Type-A (5V 2A) & Type-C (5V 2A)
Battery System	D24 Series

TL-500 5.3m

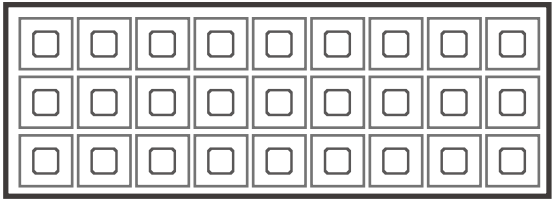
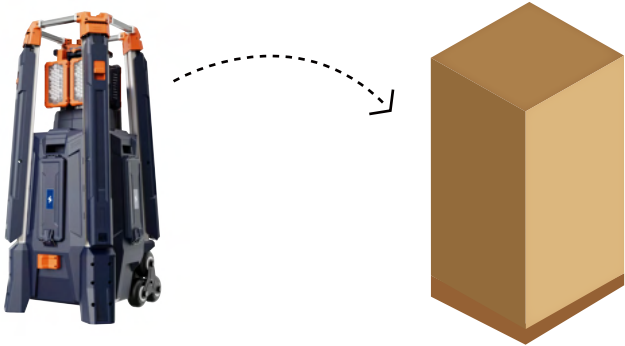
Height	5.3m
Weight	52Kg (Fitting only)
Power Supply	Battery / AC 100-277V
Lumens	Battery 0-35,000LM / AC 0-65,000LM
Run Times	>20h (Standard mode, D24-500 x 3)
IP Grade	IP65
Output(USB)	Type-A (5V 2A) & Type-C (5V 2A)
Battery System	D24 Series

Size (cm)

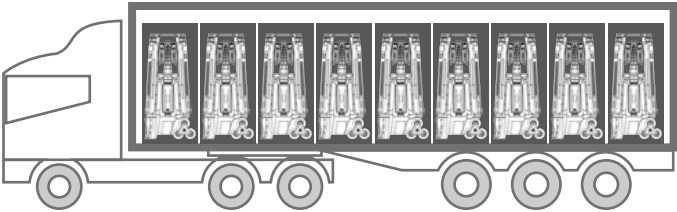


Package

Model	Size of Carton	Gross Weight of Carton	PCS/Carton
TL-500 4.2m	640*640*1365mm	63Kg	1
TL-500 5.3m	640*640*1435mm	66.5Kg	1



20GP Container 27 Unit



40GP Container 54 Unit