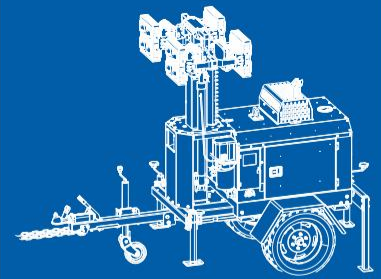


Mobile Light Tower

Diesel Engines
Powered by Kubota



LT3500M

Includes

- Kubota engine Z482-B-CHN-1
- Close coupled to AC alternator
- Microprocessor control module
- Main circuit breaker
- Mechanical governor
- Powder coated canopy (IP54)
- 50°C radiator
- 7.5M high hydraulic lifting mast
- Lockable battery isolator switch
- Emergency stop switch
- Hydraulic power unit
- 1x12V/38AH sealed for life maintenance free battery
- 4x300W metal LED lamps
- Vibration isolators
- Fuel tank (29 running hours under full load)
- Operation Manual / Specifications



ISO8528, AS3000, AS3010

STAGE III CERTIFIED
Common Rail Fuel System



Features

Ultra-Low Noise



Super lower sound attenuation levels without compromising performance

Long Time Running



Fully-bunded long range fuel tanks are available

Wide Application



It can be used in severe working environment, -5~50°C

Low Emissions



Tier 4 final, meeting the emission standards of EU and USA diesel generator sets

Convenient Operation



Easy to use controls and maintenance

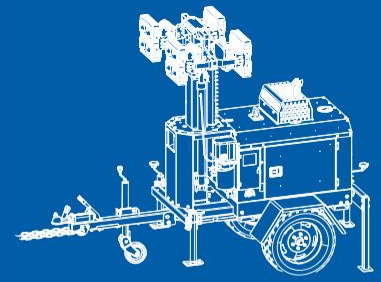
Tough and Robust



Tough but light-weight steel canopy enclosure

Mobile Light Tower

Diesel Engines
Powered by Kubota



LT3500M

Main Specification

Environmental operating conditions

- Installation place: outdoor
- Ambient temperature: -5°C to 50°C (the coolant heater is needed when the temperature is below 5°C)
- Humidity: Less than 80%
- Altitude: Less than one thousand (1000) meters above sea level.

Performance guarantee

- Product design, manufacturing and performance integrity verified by standards
- Generator set passed transient response test according to ISO8528-5
- Both engine and alternator are prototype and factory tested

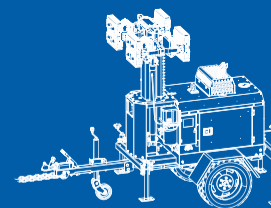
Service support

- Provide global product service support

Factory inspection

- Protection devices working test
- Starting ability in normal temperature
- 50% rated power load moment capability
- Voltage deviation and speed variation: 0, 25%, 50%, 75%, 100%, 110%





LT3500M

Specifications

Main Technical Data

Model	
Light type	
Luminous flux (Max)	lm
Light intensity (Max)	cd
Maximun towing speed	km/h
Total lighting wattage	W
Tire size	
Dimensions (Fully retracted)	mm
Dimensions (Fully extended)	mm
Rated output	KW
Tank capacity	L
Dimensions	mm
Dry weight	kg
Noise Level	dBA@7m

Load	
Fuel consumption	L/h

SLT3500M-EL	
	LED
	167968
	171565
	80
	4x300
	175/R13LT*2
	1925×1449×2430
	3036×2700×7000
	2.8
	50
	2508 x 1081 x 1709
	1032
	63.0

2 x lamps	4x lamps
0.48	0.76

Engine

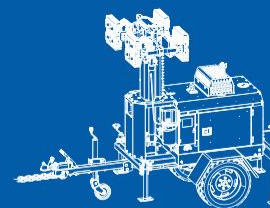
Manufacturer	KUBOTA
Model	Z482-E4B
Cylinders and arrangement	
Bore: mm	2L
Stroke: mm	67
Displacement: L	68
Compression ratio	0.479
Rotate speed: RPM	23.5
Battery Voltage	1500
Prime power: kWm	4.6
Fan	pusher

Rotate speed governor	Electronic Governor
Type of injection	Direct
Intake system	Natural aspirated
Intake resistance: kPa	≤2.45
Back power: kPa	≤9.33
Oil capacity: L	2.5
Cooling System	Water cooled
Battery voltage: V	24
Dimensions: mm	N/A
Dry weight: kg	80

Alternator

Manufacturer	China
	ACLO
Exciter	SELF EXCITED
AVR model	SX460AH
Windings	100% copper
Winding pitch	2/3
Winding Leads	4

Insulation class	H
Temperature rising class	H
Drip proof	IP23
Overspeed: RPM	2250
Voltage regulation	±2.5%
Telephone harmonic factor THF	<2%
Telephone interference factor TIF	<50



LT3500M

Configuration

Control System

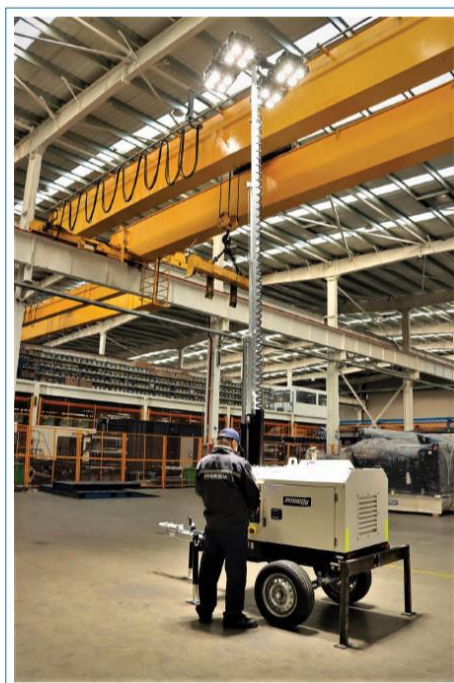
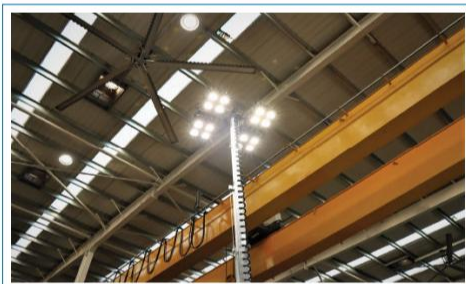
(Manufacturer: Guangdong | Model: PLC-800)

General Functions

- Allow the operator to start and stop the engine/Light tower
- Monitors the engine and display of multiple parameters
- Indicating the operational status and fault conditions
- Automatically shutting down the engine and giving a true first up fault condition of an engine failure
- The LCD display indicates the fault
- CAN and Modbus communication
- Provide complete control solutions

Standard Control Function

- | | |
|------------------------------|----------------|
| Low oil pressure | Overload |
| Manual Engine Control Module | Overcurrent |
| Start | Overvoltage |
| High Engine Temperature | Undervoltage |
| Auxiliary Shutdown | Over frequency |
| Overspeed Protection | Underfrequency |



Product Statement

- The data of specifications is based on the following standard environmental conditions test
 - Ambient temperature 25°C
 - Altitude 100m
 - Relative temperature 30%
- Dimensions, weight and other parameters are for reference only, please refer to the final design drawing.

Data is subject to change without prior notice as new products are always developed.

Please contact www.guangdongpower.com with any doubts or for more information.