

**200+** Patent Certificates  
**\$1,000,000+** Annual Energy Saving  
**20,000+** Projects Successfully Installed



# Luminaires for Lighting Tower Solutions

Innovative & Tailored  
Lighting Solutions for **Success**  
[www.aokledlight.com](http://www.aokledlight.com)

# Excellent Performance

## For Lighting Tower Installation

- Powerful illumination
- Robust and long lifespan
- Smart control optional
- Easy fit and installation
- Project customization service

### OB02 Series Lighting Fixture



# Parameter Reference



## Lighting Fixture

Product Type: OB02

Power range: 100W~300W

Input voltage: NV=100-277VAC, HV=277-480VAC

THD: <15%

Lumen output: up to 49500lm(300W, 90D)

Housing: Heavy-duty die-cast aluminum

IP/IK rating: IP66/IK10

Surface treatment: Anti-UV thermosetting polyester

Product size:  $\phi 386.5 \times 219\text{mm}$  /  $\phi 15.2 \times 8.6$  inches

Net weight: 4.42kg~6.1kg



# Excellent Performance

## For Lighting Tower Installation

- Powerful illumination
- Robust and long lifespan
- Smart control optional
- Easy fit and installation
- Project customization service

### INS Series Lighting Fixture





# Parameter Reference



Visor Optional

## Lighting Fixture

Product Type: INS

Power range: 315W~380W

Input voltage: NV=100-277VAC, HV=277-480VAC

THD: <20%

Lumen output: up to 58622lm(380W, 60D)

Housing: Heavy-duty die-cast aluminum

IP/IK rating: IP66/IK10

Surface treatment: Anti-UV thermosetting polyester

Product size:  $\phi 386.5 \times 219\text{mm}$  /  $\phi 15.2 \times 8.6$  inches

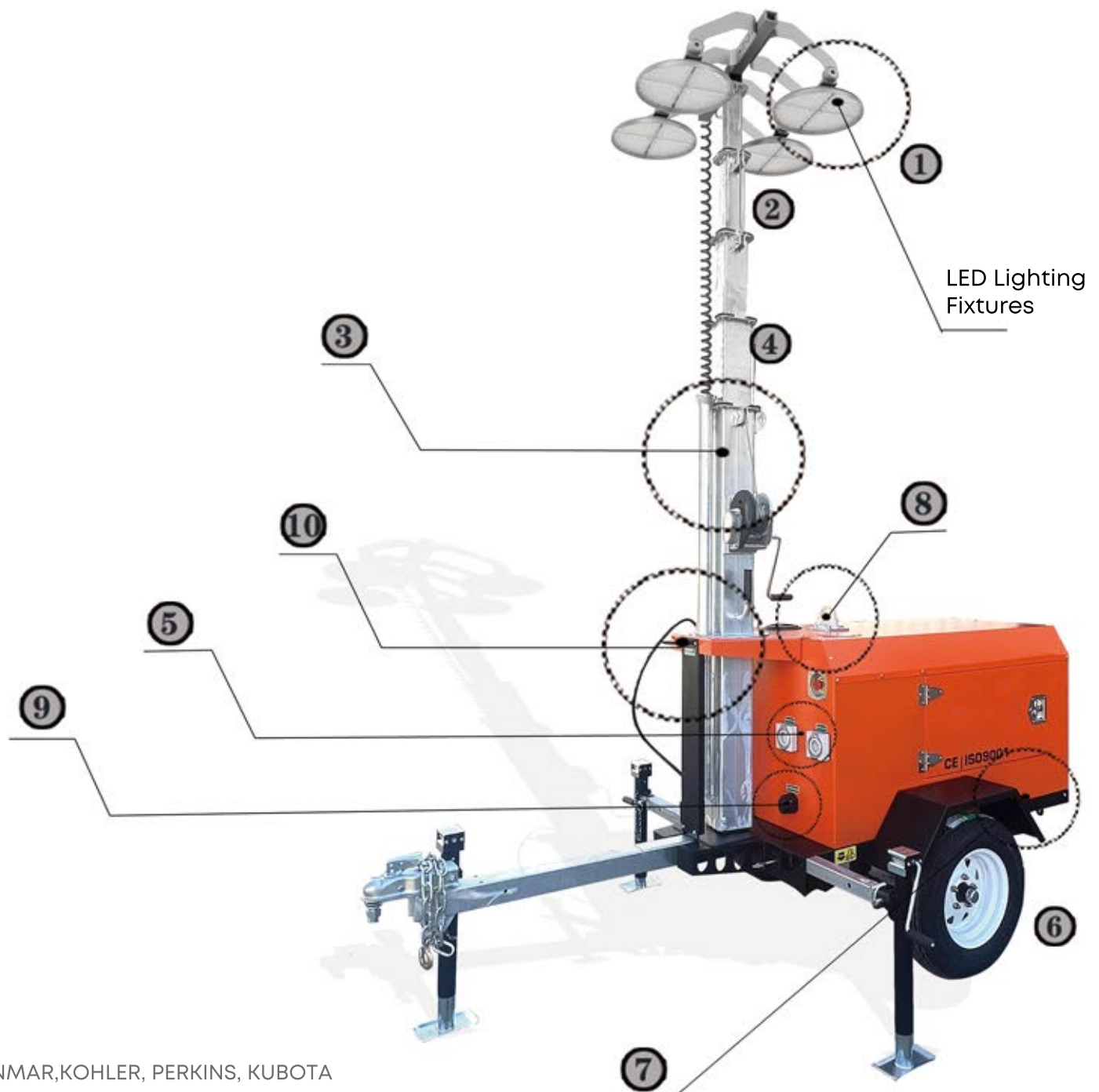
Net weight: 4.42kg~6.1kg



# Power Supply Base

# START

The light tower with manual vertical is the hot-selling model in the market, operate freindly, compact canopy, and transportate easily. The configuration can be customized according to the customer's market. Air-cooled engine can be choosed Chinese brands, Kohler, Yanmmar, Kubota; water-cooled engine can be used Perkins,Yanmmar,Kubota and Chinese brands.water-cooled engine can be used Perkins,Yanmmar,Kubota and Chinese brands.



YANMAR,KOHLER, PERKINS, KUBOTA

## Fuel Consumption Reference

4\*350 LED

0.6 L/H

4\*1000W Metal halide

1.6 L/H



# MODEL

KLT-8000V/KLT-7000V

## Main Features:

- ① 4\*350W LED Lighting Fixtures for Recommendation, Customized
- ② Mast Rotation 360°(manual)
- ③ Vertical Telescoping Multi Sections Mast
- ④ Mast Height 8M/Retracted 2.52M
- ⑤ Auxiliary Sockets 2x16A
- ⑥ Wheels 185R/14" or 165R/13"
- ⑦ Forklift Pockets Standard
- ⑧ Central Lift Point
- ⑨ Tail Light Connector
- ⑩ Tower Mast Locking Device
- ⑪ Fuel Tank 100L



Control  
Pannel



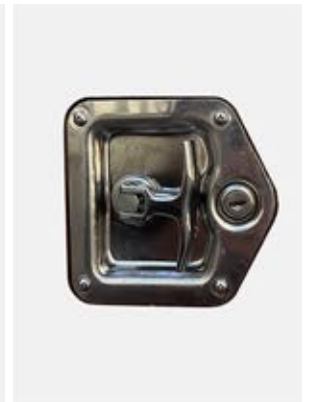
Emergency  
Stop



4\*350W  
LED Fixtures



Central  
lift point



Stainless  
steel lock

	KLT-8000 V	KLT-7000 V
	LED	LED
Frequency	50   60	50   60
Light tower		
Lamps (no.*w)	4*350W(Recommended)	4*350W(Recommended)
Alternator Output	7KVA   9KVA	5KVA   5.5KVA
Voltage（V）AC	220~240   240/120	
Fuel tank Capacity(L)	100	
Mast operating mode	Manual/vertical	
Sound level (dBA) at 7m	67	80
Engine		
Brand/Model	Perkins 403D(A)-11;YANMAR3TNV76-GGE;KUBOTAD1105	HL188FV
Number of Cylinders/Stroke	Three cylinders in line/Four stroke/Diesel	Single cylinders/Four stroke/Diesel
Output(Rate)（KW）	8.4   9.5	5   6.5
Rated speed（rpm	1500   1800	3000   3600
Fuel/Cooling	Water	Air
Alternator		
Model/brand	AC KAL-164 /LEHUI	AC FTS-5 /Xingnuo
Phase number	Single	Single
Insulation	Class H	Class H
Type of bearing/Brush	Single/Brushless Self excitation	Single/Brushless Self excitation
Lighting		
Lumens	up to 170lm/W or 200lm/W	up to 170lm/W or 200lm/W
Housing Materials	Aluminum	Aluminum
Mast Tower		
Type	Manual   Vertical   Telescoping	
Total Height/Retracted	8M /2.52M	6M /1.4M
Rotation	360 Degree	
Mast Sections	Multi Sections	
Trailer and Canopy		
Outriggers	With 5 points manual outriggers extended and all jack down	
Wheel and Rim	185R/14" or 165R13"	
Trailer Suspension System	Steel plate spring	
Towing Type	Ring or Ball hitch	
Canopy	With two doors access for easy maintenance with hanger for handling Detachable Roof,Silent type	
Fork pocket and central lift point	YES	
Auxiliary sockets	AC 2*16A	
Control System		
Controller	SmartGen 1790	
Connection protection	IP65	
Electric protection	CHINT circuit breaker /Emergency Stop	
Engine shutdown protection	Low oil pressure, Hight water temperture	



# START

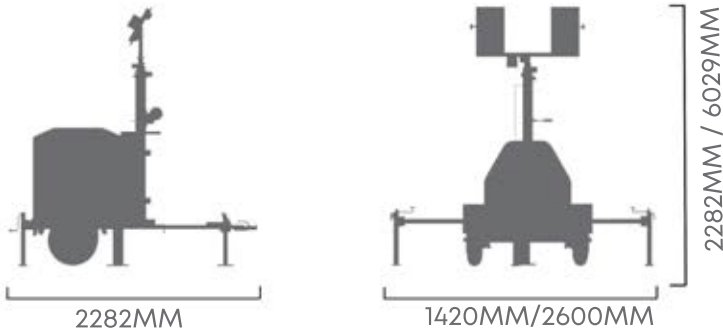
## MODEL

KLT-8000 V | KLT-7000 V

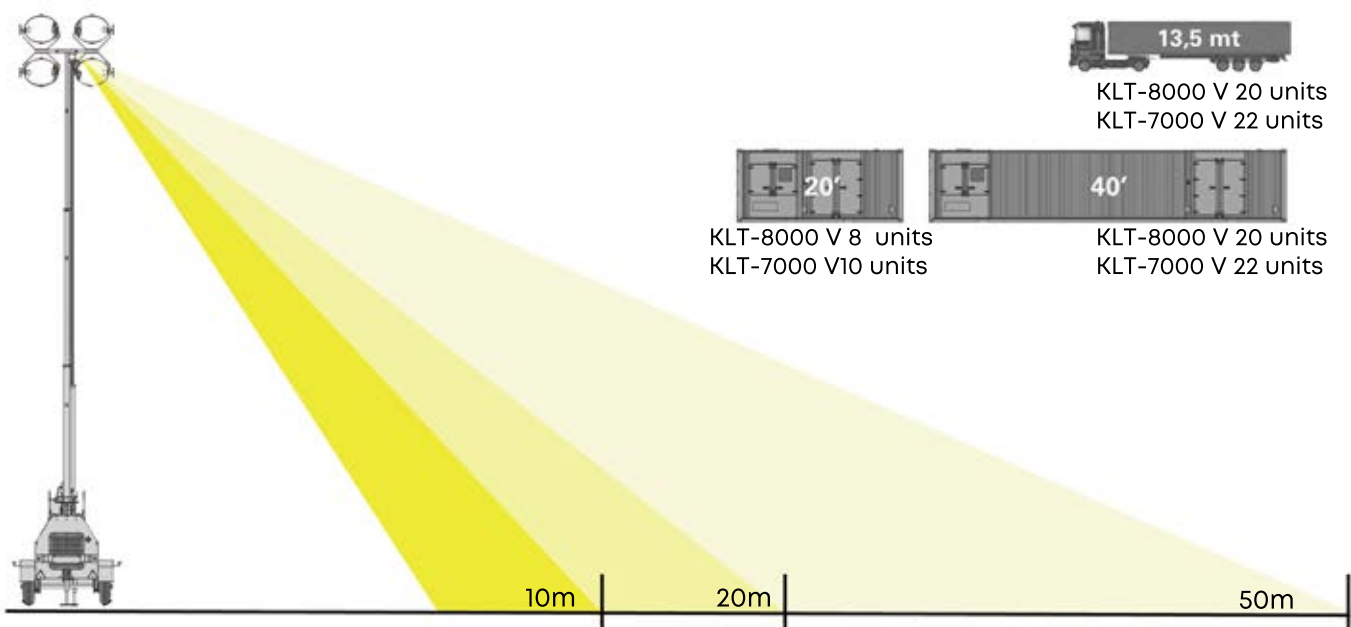
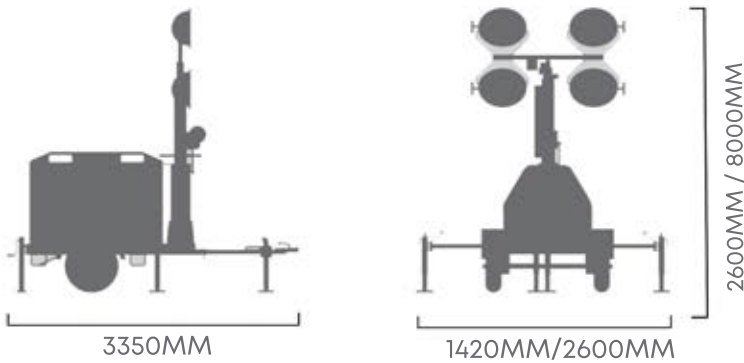
Optional

Kohler,Kubota,perkins  
Yanmar,chinese engine brand.

KLT-7000V

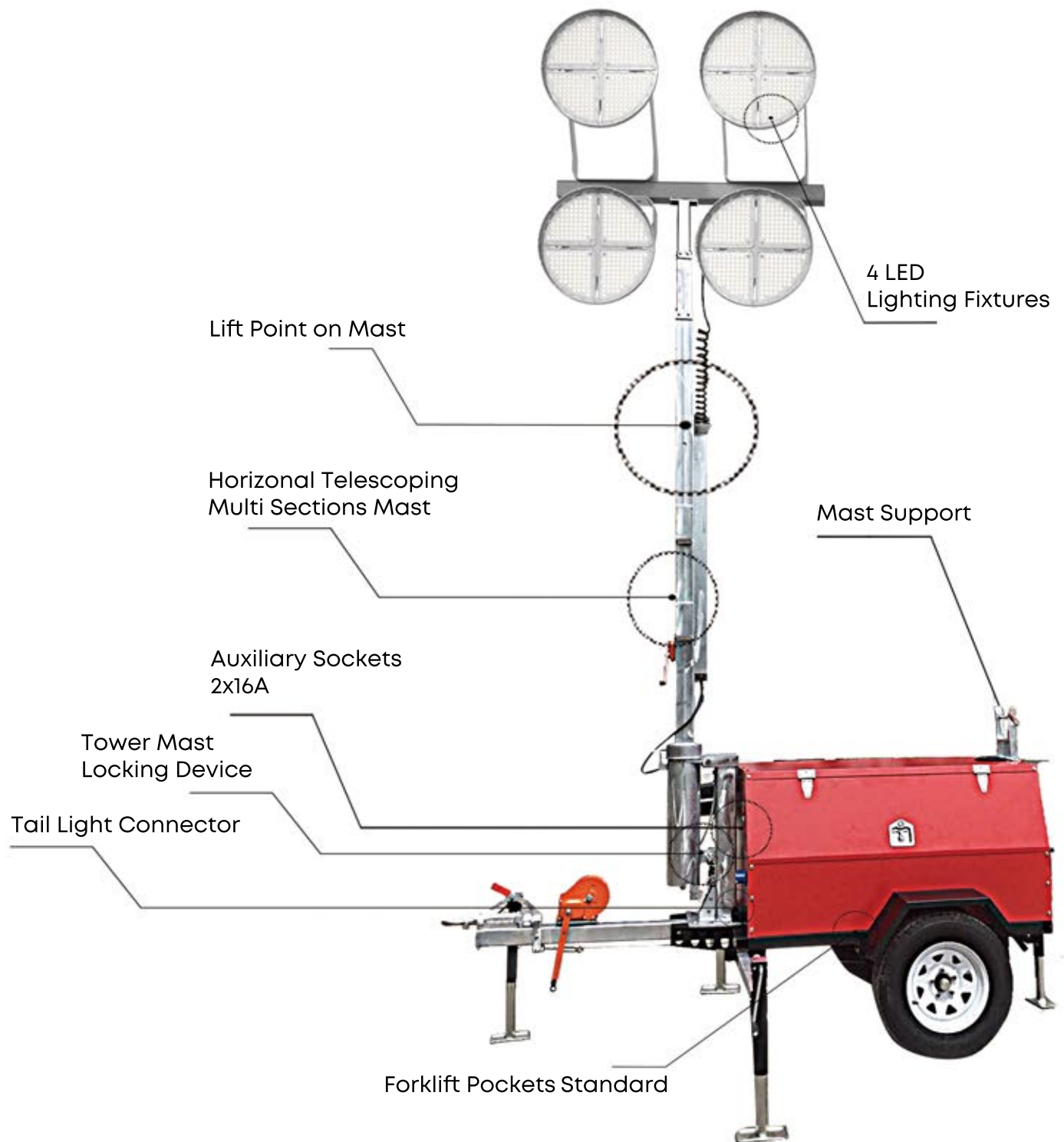


KLT-8000V



# Power Supply Base

## HORIZONTAL



YANMAR, KOHLER, PERKINS, KUBOTA

## Fuel Consumption Reference

4\*350 LED

0.8L/H(Recommend)

4\*1000W Metal halide

2.2L/H

# MODEL

KLT-8000V

## Main Features:

- ① 4\*350W LED Lighting Fixtures for Recommendation, Customizable
- ② Mast Rotation 360°(manual)
- ③ Vertical Telescoping Multi Sections Mast
- ④ Mast Height 9M/Retracted 2M
- ⑤ Auxiliary Sockets 2x16A
- ⑥ Wheels 185R/14" or 165R/13"
- ⑦ Forklift Pockets Standard
- ⑧ Lift Point on Mast
- ⑨ Tail Light Connector
- ⑩ Tower Mast Locking Device
- ⑪ Fuel Tank 100L



Control  
Pannel



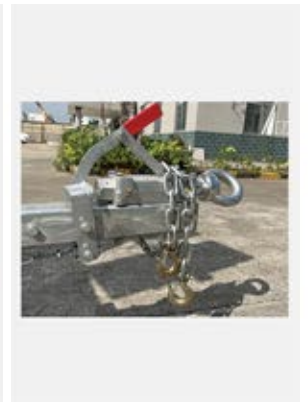
Emergency  
Stop



4\*350W  
LED Fixtures



Lift Point  
on Mast



Towing

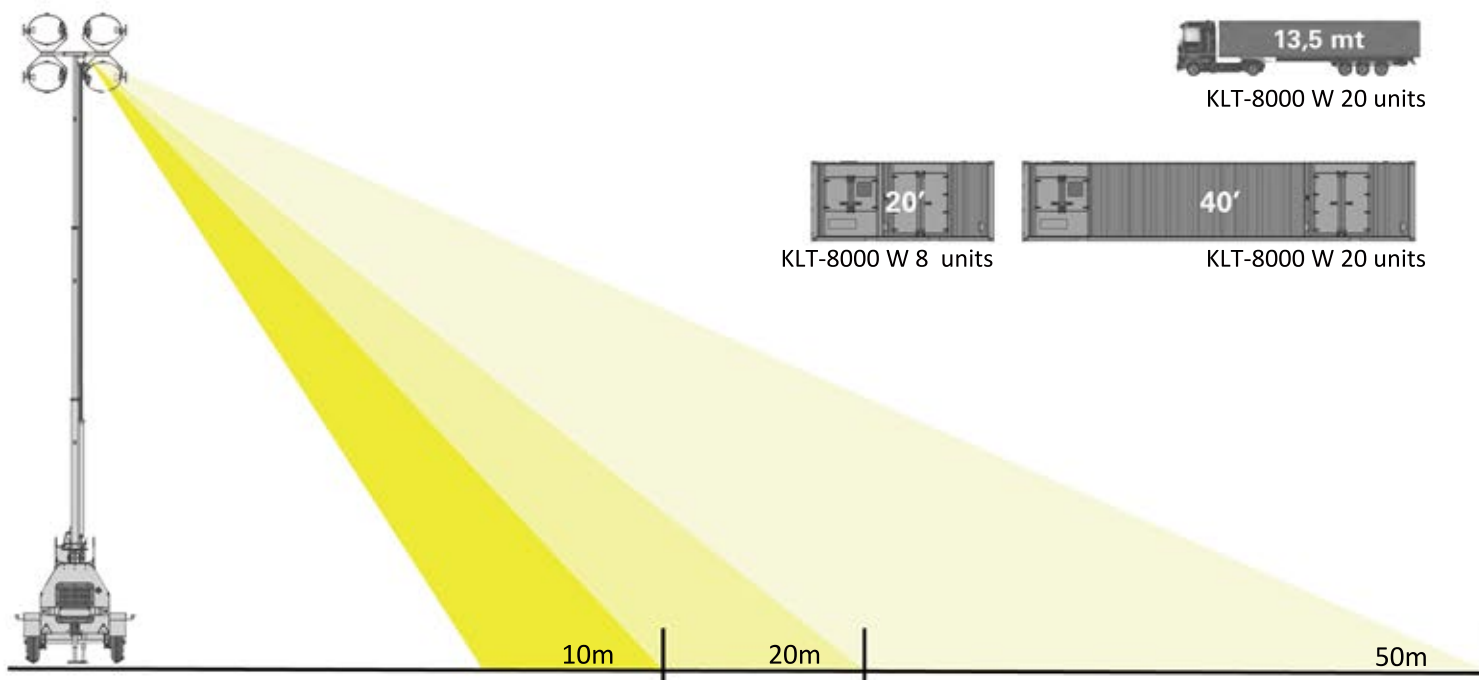
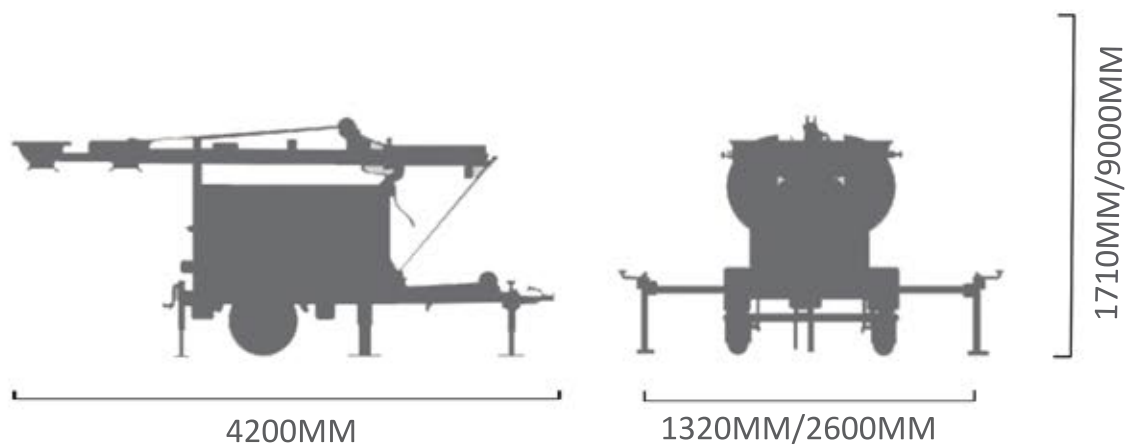
# HORIZONTAL

50HZ/60HZ

	KLT-8000	
	LED	LED
Frequency	50   60	50   60
Light tower		
Lamps (no.*w)	4*350W (Recommended)	4*350W (Recommended)
Alternator Output	7KVA   9KVA	5KVA   5.5KVA
Voltage (V) AC	220~240   240/120	
Fuel tank Capacity(L)	100	
Mast operating mode	Manual/Horizontal	
Sound level (dBA) at 7m	67	80
Engine		
Brand/Model	Perkins 403D(A)-11;YANMAR3TNV76-GGE;KUBOTAD1105	HL188FV
Number of Cylinders/Stroke	Three cylinders in line/Four stroke/Diesel	Single cylinders/Four stroke/Diesel
Output(Rate) (KW)	8.4   9.5	5   6.5
Rated speed (rpm)	1500   1800	3000   3600
Fuel/Cooling	Water	Air
Alternator		
Model/brand	AC KAL-164 /LEHUI	AC FTS-5 /Xingnuo
Phase number	Single	Single
Insulation	Class H	Class H
Type of bearing/Brush	Single/Brushless Self excitation	Single/Brushless Self excitation
Lighting		
Lumens	up to 170lm/W or 200lm/W	up to 170lm/W or 200lm/W
Housing Materials	Aluminum	Aluminum
Mast Tower		
Type	Manual   Horizontal   Telescoping	
Total Height/Retracted	9M /1.7M	
Rotation	360 Degree	
Mast Sections	Multi Sections	
Trailer and Canopy		
Outriggers	With 5 points manual outriggers extended and all jack down	
Wheel and Rim	185R/14" or 165R13"	
Trailer Suspension System	Steel plate spring	
Towing Type	Ring or Ball hitch	
Canopy	With two doors access for easy maintenance with hanger for handling Detachable Roof,Silent type	
Fork pocket and central lift point		
Auxliary sockets	AC 2*16A	
Control System		
Controller	SmartGen 1790	
Connection protection	IP65	
Electric protection	CHINT circuit breaker /Emergency Stop	
Engine shutdown protection	Low oil pressure, Hight water temperture	

# MODEL KLT-8000

The horizontal series lighting towers designed to operate continuously and withstand temperatures from  $-40^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ . Fitted with a nine metre manually extendable mast, it is one of the most versatile and competitive on the market.





# Power Supply Base

## KLT-10000V

# HYDRAULIC

The KLT-10000 compact lighting towers are small, autonomous and resistant to extreme conditions. its hydraulic mast allows a 360 degree rotation and extends up to 9 meters height in less than 25.5 second points manual outriggers and all jack down. Fitted with a 100-litre fuel tank, engine and lamps can customized.



**Standard**

360° Rotation  
9M Height

Optional  
Camera

Manual  
Outriggers



**Hydraulic Outriggers Optional**

# Model KLT-10000/KLT-10000V

## KLT-10000

Mainly used in mining projects in the Australian market, 48V voltage is safer, strong design and longer service life.

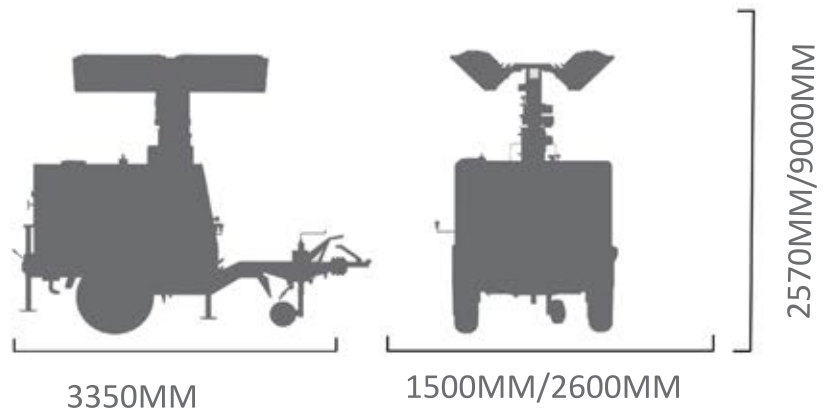
- Hydraulic / Foldable / Telescoping Mast
- 9M Height / 2.2M Retracted
- 48V DC / 220V AC
- 5 Points Hydraulic Outriggers Extended
- Wheel and Rim 235R/16"
- LED 4\*400W or 6\*400W Lighting Fixtures (Customizable)



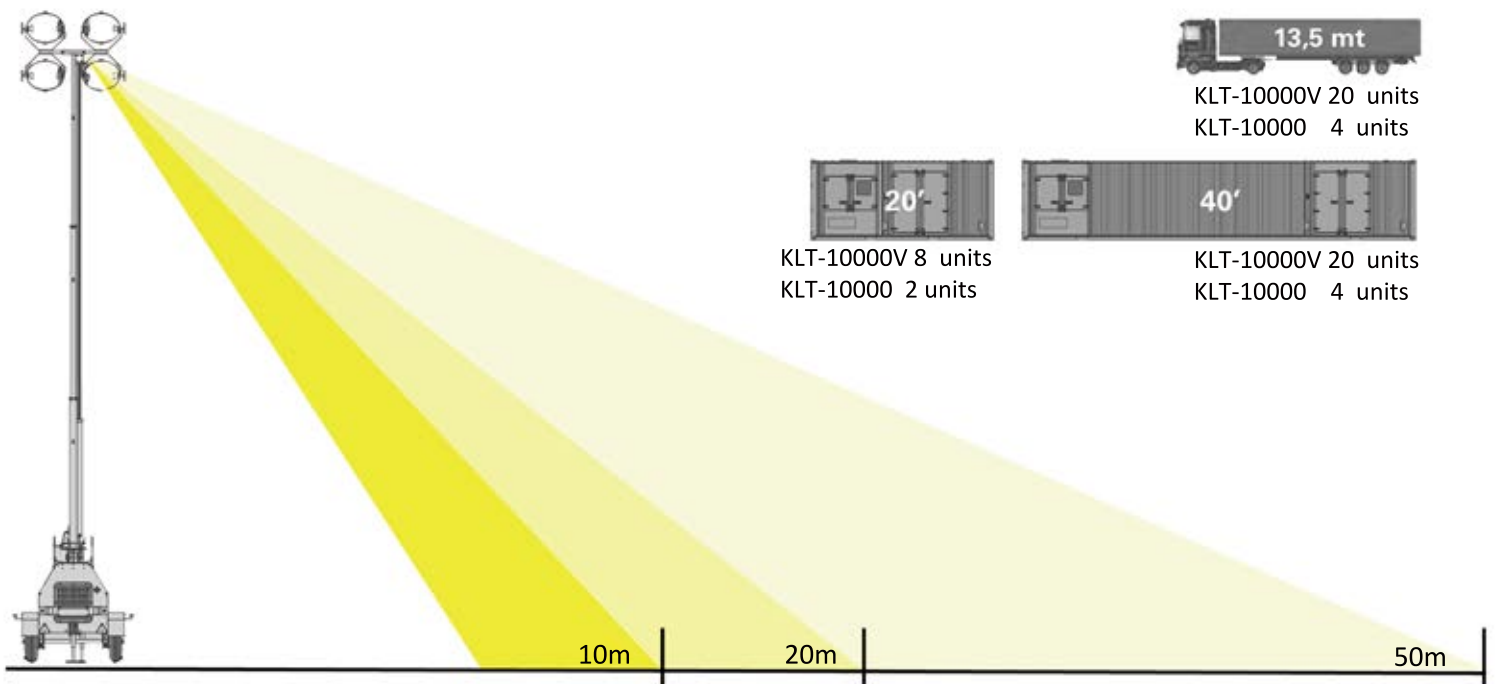
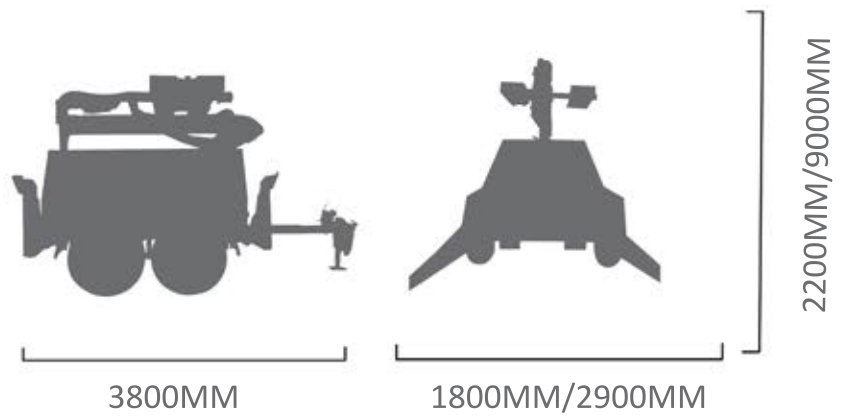
	KLT-10000 V		KLT-10000	
	LED		LED	
Frequency	50 I 60		50 I 60	
Light tower				
Lamps (no.*w)	4*350W (customizable)		6*400W (customizable)	
Alternator Output	7KVA   9KVA			
Voltage（V）AC	220~240   240/120			
Fuel tank Capacity(L)	100			
Mast operating mode	Hydraulic/vertical		Hydraulic/Foldable	
Sound level (dBA) at 7m	67			
Engine				
Brand/Model	Perkins 403D(A)-11;YANMAR3TNV76-GGE;KUBOTAD1105			
Number of Cylinders/Stroke	Three cylinders in line/Four stroke/Diesel			
Output(Rate)（KW）	8.4   9.5			
Rated speed（rpm）	1500   1800			
Fuel/Cooling	Water			
Alternator				
Model/brand	AC KAL-164 /LEHUI		48V DC Optional	
Phase number	Single			
Insulation	Class H			
Type of bearing/Brush	Single/Brushless Self excitation			
Lighting				
Lumens	up to 170lm/W or 200lm/W			
Housing Materials	Aluminum			
Mast Tower				
Type	Hydraulic   Vertical   Telescoping		Hydraulic   Foldable   Telescoping	
Total Height/Retracted	9M /2.57M		9M /2.2M	
Rotation	360 Degree			
Mast Sections	Multi Sections			
Trailer and Canopy				
Outriggers	5 points manual outriggers and all jack down		5 points hydraulic outriggers extended	
Wheel and Rim	185R/14" or 165R13"		235R/16"	
Trailer Suspension System	Steel plate spring			
Towing Type	Ring or Ball hitch			
Canopy	With two doors access for easy maintenance with hanger for handling Detachable Roof,Silent type			
Fork pocket and central lift point	Yes			
Auxliary sockets	AC 2*16A			
Control System				
Controller	SmartGen 1790			
Connection protection	IP65			
Electric protection	CHINT circut breaker /Emergency Stop			
Engine shutdown protection	Low oil pressure, Hight water tempreture			

MODEL  
KLT-10000 V/KLT-10000

KLT-10000V



KLT-10000







# MODEL SLT-400/SLT-600/SLT-800



Recommended LED Modules

**4\*100W**

**4\*150W**

**4\*200W**



Customizable Lumen Output

REGULAR  
UP TO

**170lm/W, 200lm/W** Optional



Installation  
Height

**8M**

ZERO  
EMISSIONS

RENEVABLE  
SOURCE OF  
ENERGY

ZERO  
FUEL COSTS

SILENT  
RUNNING

EXTENDABLE  
SOLAR PANELS

ROTATION  
360 DEGREE



MAX 3350\*3300\*8000(L\*W\*H)

MIN 3350\*1500\*2950(L\*W\*H)

Batteries Standard Configuration  
10.24KWH/15KWH/20KWH/25KWH/Customizable

# SOLAR

	SLT-400	SLT-600	SLT-800
	LED		
Light tower			
Lamps (no.*w)	4*100W	4*150W	4*200W
Running time (only lights) Hr	20	15	10
Voltage (V) DC	24		
Mast operating mode	Vertical Electric Winch with selfbrake		
Sound level (dBA) at 7m	0		
Weight (kg)	950	1150	1200
Solar panels			
Total watt	3*410W(1230W)	3*550W(1650W)	3*550W(1650W)
Solar panel type	Monocrystalline silicon tempered glass		
Working Temperature	-20~85℃		
Battery			
Type	Lithium storage batteies with BMS		
Capacity	10.24KWH		
Voltage	25.6V/400AH		
Cycle times	4000~6000		
Working Temperature	-20~60℃		
Optional standby generator			
5kVA Portable generator set	YES		
Lighting			
Lumens	Up to 200lm/W		
Housing Materials	Aluminum		
Mast Tower			
Type	Electrical   Vertical   Telescoping		
Total Height/Retracted	8M /2.75M		
Rotation	360 Degree		
Mast Sections	Multi Sections		
Trailer and Canopy			
Outriggers	5 points manual outriggers and all jack down		
Wheel and Rim	185R/14"		
Trailer Suspension System	Steel plate spring		
Towing Type	Ring or Ball hitch		
Canopy	With two doors access for easy maintenance with hanger for handling Detachable Roof,Silent type		
Fork pocket and central lift point	YES		
Auxliary sockets input	AC 1*16A		
Control System			
Charging	MPPT 50		
Individual lamp switch on/off	YES		
Automatic dark/dawn on/off(Sensor)	YES		
Electric protection	IP65		
Connection protection	CHINT circut breaker /Emergency Stop		

# MODEL SLT-400/SLT-600/SLT-800

## OPTIONAL

### · Solar Panel:

380W/400W/450W/500W/550W

3 PCS or 4 PCS .

### · AGM or Lithium Battery:

10.24KWH/15KWH/20KWH/25KWH/ (Customizable)

LED lamps: 100W/150W/200W (Customizable); 2/3/4 PCS

### · Tower Mast:

Manual/Electric/Hydraulic 6/8/9M

### · Trailer:

Single/Dual Axle, Ball/Ring Hitch Drawbar

US, Australian standard, Torsion/Steel Plate Suspension etc

### · Standby Genset

### · Adjustable Solar Tilt

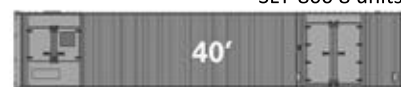
### · Folding Drawbar



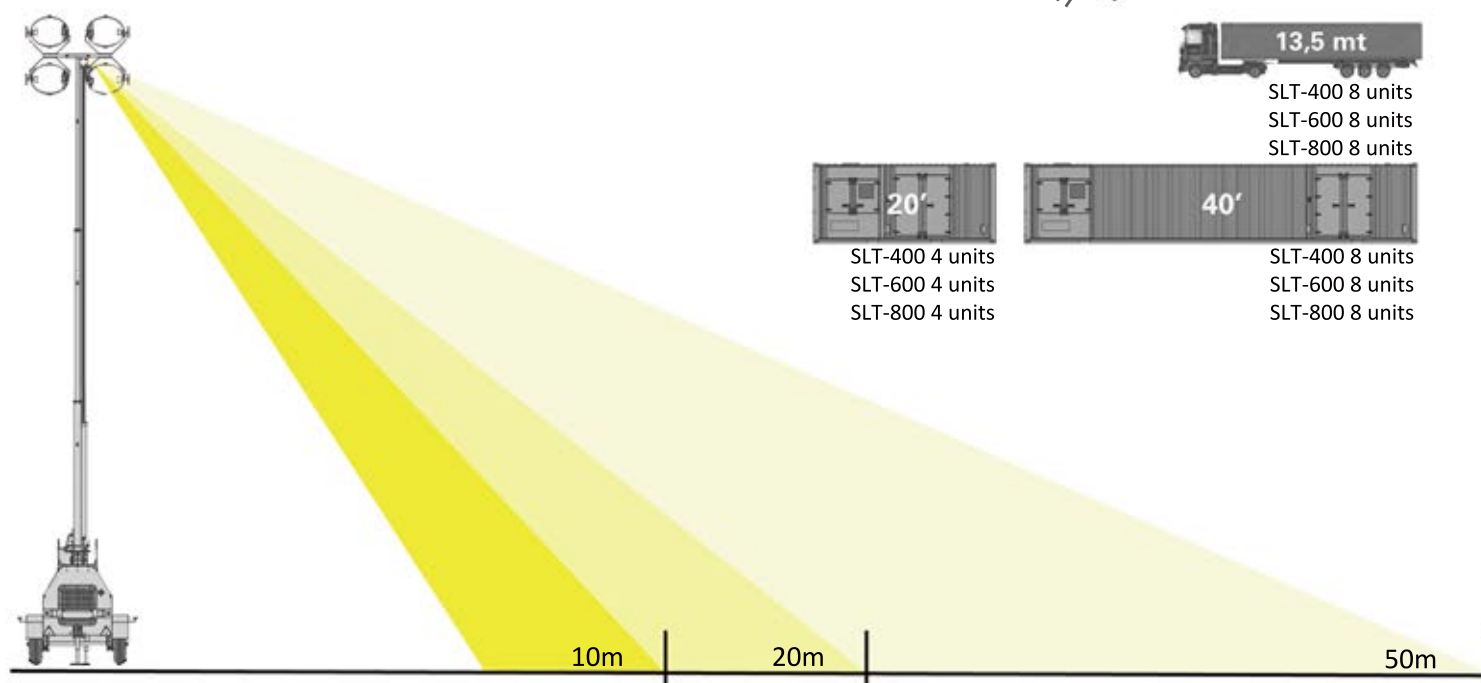
SLT-400 8 units  
SLT-600 8 units  
SLT-800 8 units



SLT-400 4 units  
SLT-600 4 units  
SLT-800 4 units



SLT-400 8 units  
SLT-600 8 units  
SLT-800 8 units



# Application Reference







# Innovative & Tailored Lighting Solutions for **Success**



5 Year Limited Warranty,  
10 Year Preferred Warranty.  
Please consult with our sales for detailed agreement.

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