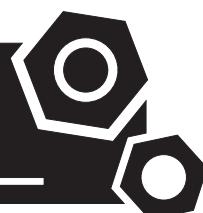


Mobile light tower

FLT4000-KAC

SPECIFICATIONS



1 Standards & Conditions

Design Standards

The designs and the productions are in conformity with:

- GB/T 1883.1-2005
- JB8891-1999
- GB252-2011
- GB20891-2014
- GB4208-2008
- VSB 1 Rev 4 June 1999
- AS3000: 2018
- AS3010: 2017

Design Conditions

- Installation place: outdoors.
- Ambient temperature: -15°C to 50°C. The coolant heater is needed when the temperature is below 0°C
- Humidity: Less than 90%.
- Altitude: Less than one thousand (1000) meters above sea Level.

Painting Process

- Painting process specifications and colors are based on the manufacturer's standard.
- The customer could also choose the color which the manufacturer offers.

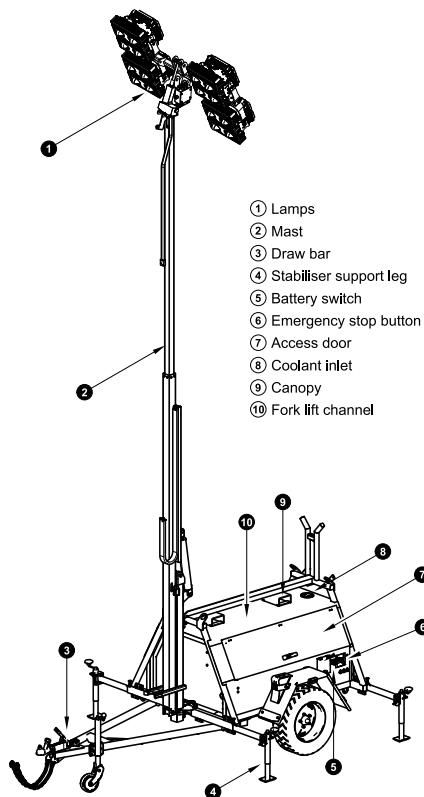
2 General Features

- Kubota engine D1105-E4B
- Close coupled to PowerLink alternator PL0D
- Microprocessor control module PLC-805
- Governor type : Electronic control
- Three masts with hydraulic extension and manual rotation
- Hydraulic power unit
- Hydraulic cylinder with explosion-proof valve
- 8x500W metal LED lamps
- 1x12V/70AH sealed for life maintenance free battery(supply for engine)
- Emergency stop switch
- Lockable battery isolator switch
- Powder coated canopy
- Vibration isolators between the engine/alternator and base frame
- Dry type air cleaner
- Fuel tank(113 running hours under full load)
- Fuel drain outlet
- Operation Manual / Specification

3 Equipment Specification

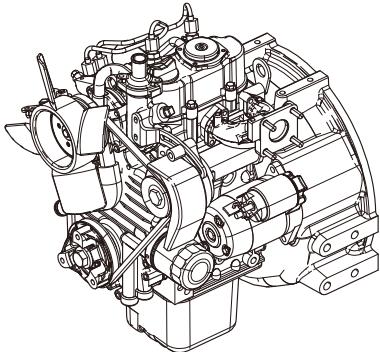
Model.....	FLT4000-KAC
Light type.....	LED
Luminous flux(Max)lm.....	740000
Light intensity(Max)cd.....	755000
Tank capacity.....	200L
Wet weigh.....	2110kg
Dry weigh.....	2000kg
Total lighting wattage	8x500W
Tire size	N/A
Dimensions (Fully retracted).....	2950x1960x2300mm
Dimensions (Fully extended).....	4950x2050x11000mm
Three masts with manual rotation	144°
Tilting Angle of Light Fixture rotation	90°
Maximun towing speed.....	80km/h
Maximun wind speed rating.....	102km/h
Sound pressure level @7m	55dB(A)
Fully extended/retracted time	50/50s
Hydraulic oil type	L-HM46
Hydraulic oil tank capacity	5.1L
Rated output	8.0kW
Voltage/Frequency.....	AC 240V/50Hz

Light Tower Fuel Consumption		
Number of running lamp	3xLamps	6xLamps
Fuel Consumption(L/h)	0.88	1.76



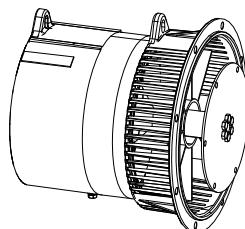
Pictures are for reference only.

Engine



Engine Manufacturer/Brand.....	KUBOTA
Engine Model.....	D1105-E4B
Dimensions L×W×H.....	551.3×393×605.1mm
Dry Weigh (approx.)	110Kg
Number of Cylinders.....	3
Bore	78mm
Stroke	78.4mm
Displacement.....	0.898L
Compression Ratio	24.0
Type of Injection.....	Spherical Type (E-TVCS)
Intake System.....	Natural aspirated
Intake Resistance.....	≤1.96kPa
Cooling System	Water cooled
Fan	Pusher
Battery Voltage	12V
Type of Fuel.....	No.2-D (ASTMD975)
Type of Oil	API -CH
Oil Capacity	5.1L
Type of Coolant	Glycol mixture
Back Pressure.....	7.07kPa
Speed	1800rpm
Prime Power.....	11.5kW

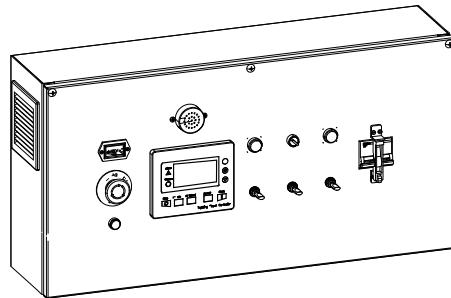
Alternator



Alternator Manufacturer/Brand POWERLINK

Alternator Model	PL0D
Exciter.....	Brushless
Cooling Fan	Cast alloy aluminum
Windings.....	100% copper
Insulation Class	H
Winding Pitch.....	2/3
Terminals	12
Drip Proof	IP23
Altitude.....	≤1000m
Overspeed	2250rpm
Air Flow.....	5.3m³/min(50Hz),5.8m³/min(60Hz)
Voltage Regulation	±1.0%
Total harmonic TGH / THCat no load < 1.5 % - on load < 5%	
Telephone Interference.....	THF<2%;TIF<45

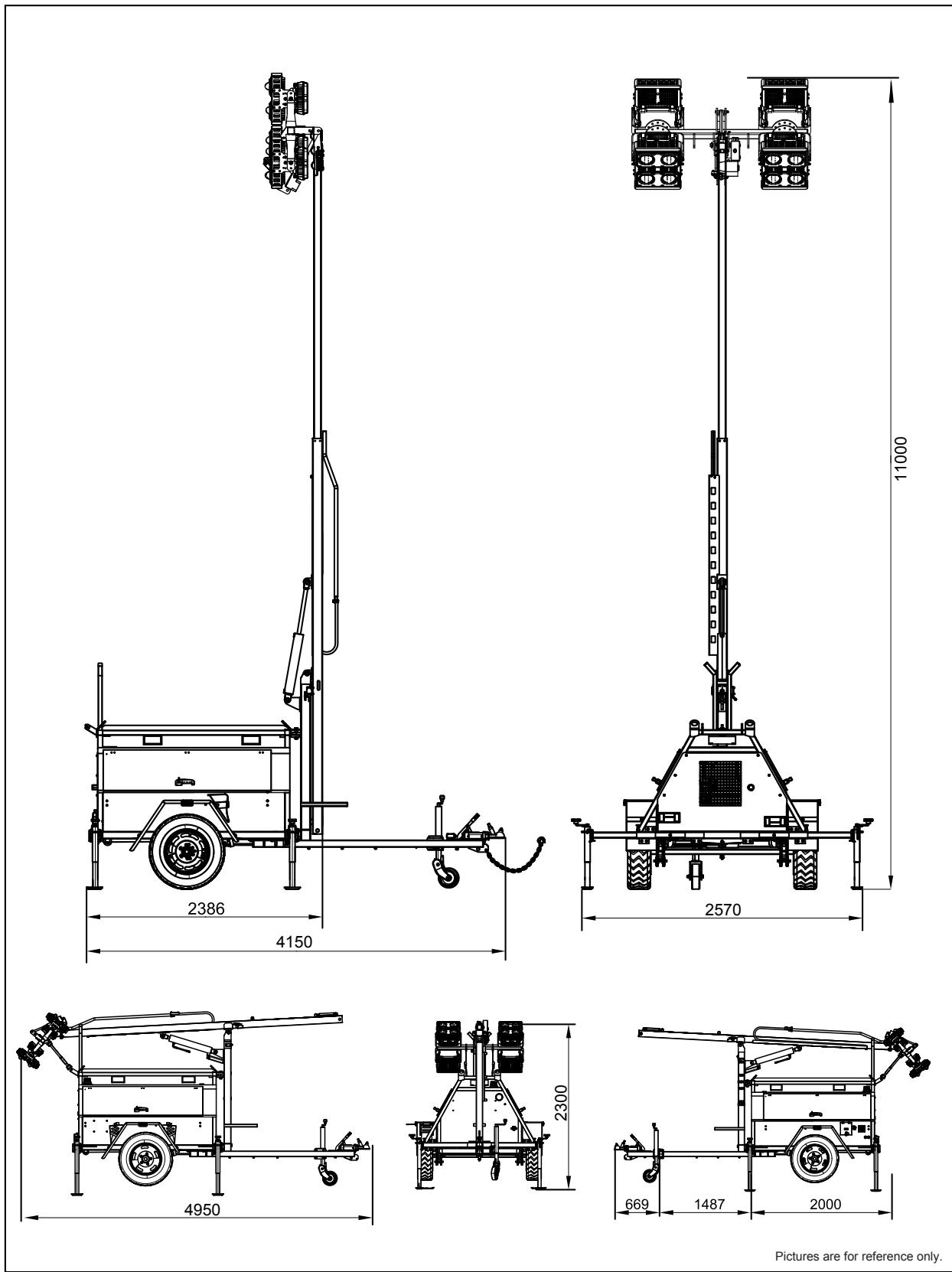
PLC-805 Control System



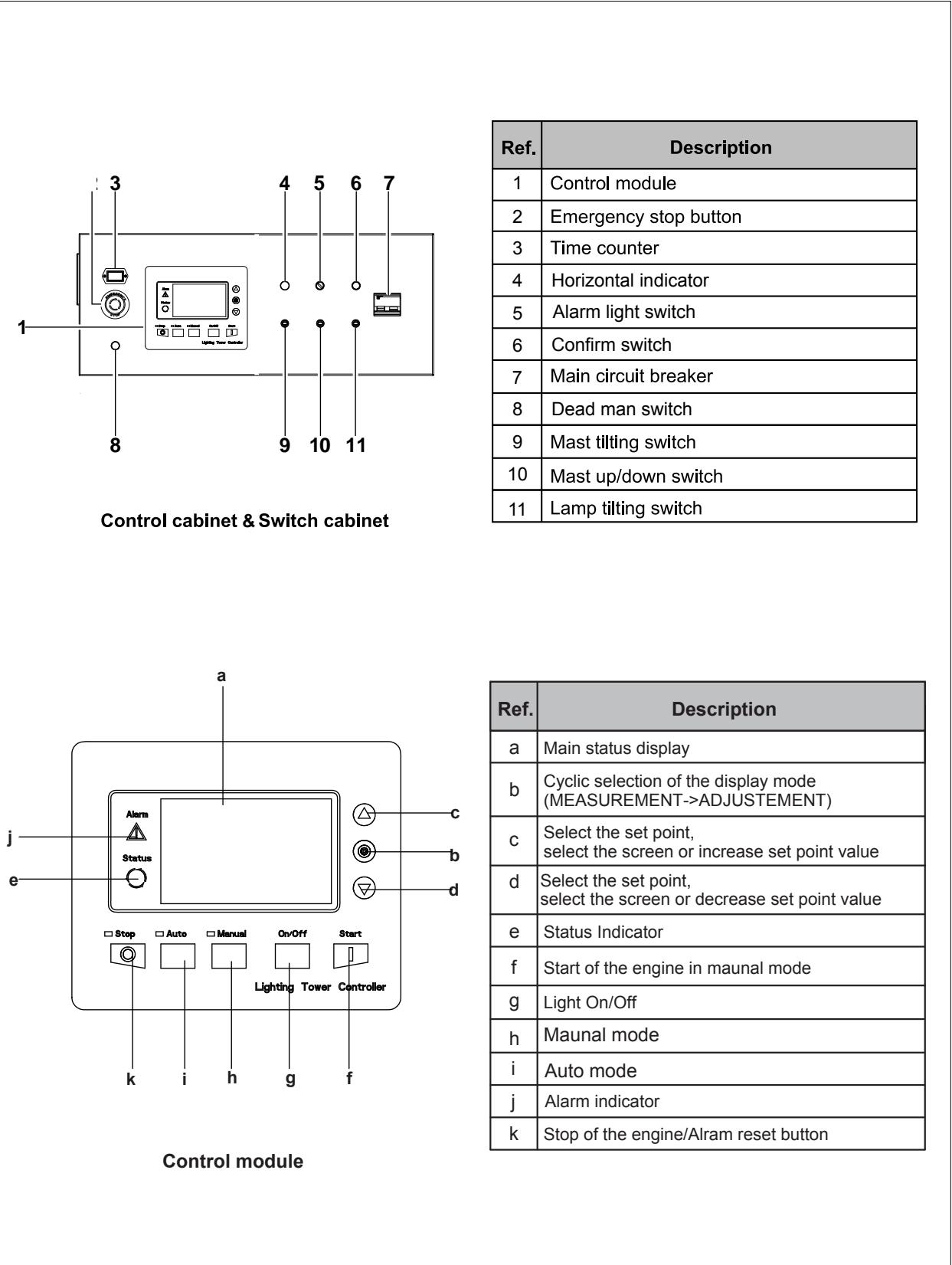
PLC-805 is an advanced control module based on microprocessor, apply to AC/DC light tower. The controller is equipped with a powerful graphic display showing icons, symbols and bar graphs for intuitive operation. Accurately measure various operational parameters and display all values and alarms information on the LCD.

- Microprocessor control, with high stability and credibility
- Monitoring and measuring operational parameters of light tower
- Indicating operation status, fault conditions, all parameters and alarms
- Manual, automatic and remote work mode selectable
- Multiple protections; multiple parameters display, like pressure, temp. etc.
- Overall power output display
- Real time clock for time and date display, overall runtime display, 99 log entries
- Communication with PC via RS485 interface, using MODBUS protocol

5 Overall Dimension



6 Control System



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07.2022

<http://www.powerlinkworld.com>

*Specification may change without prior notice. For more info.,
contact Power Link or your local distributors please.*

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