



MODEL: LUX600H

HYBRID LIGHTING TOWER

Kubota diesel + 16 kWh LFP battery hybrid – 9 m mast with 4 × 150 W LEDs delivering 120,000 lumens of silent, low-fuel site light.



6.0

KW GENSET

16

KWH BATTERY

9

M MAST HEIGHT

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DESIGN STANDARDS

DIESEL RELIABILITY, BATTERY SILENCE.

The LUX600H pairs a Kubota Z482-ET03 diesel genset with a 16 kWh LFP battery pack – running silently on stored energy at night and topping up only when needed. Less fuel, less noise, longer service intervals.

BENEFITS

- 15+ hours silent lighting on battery
- 360 h total runtime on 100 L tank
- Hydraulic 9 m mast, 100 km/h wind rated
- Auto day/night light control
- BMS-protected LFP battery, 6,000 cycles
- Towable trailer with overrun & park brake

OPERATING CYCLE

12 h
BATTERY DISCHARGE

3 h
BATTERY CHARGE

360 h
TOTAL RUNTIME / TANK

GENERAL SPECIFICATION

PARAMETER	VALUE
OEM Platform	Kubota MLT4KL-600DHBL
Rated Voltage	48 VDC
Genset Power	6.0 kW
Engine	Kubota Z482-ET03
Emission	EU Stage IIIA
Battery	16 kWh LFP · 51.2 V 314 Ah
Lighting	4 × 150 W LED · 120,000 lm
Mast Height	9 m hydraulic
Mast Rotation	355° manual
Light Tilt	Electrical
Fuel Tank	100 L
Wind Rating	100 km/h
Working Temperature	-10 °C to 50 °C
Towing Dimensions	3454 × 1756 × 2529 mm
Weight	1,550 kg

DIESEL ENGINE

6.0 kW

KUBOTA Z482-ET03 · 3000 RPM

- EU Stage IIIA emissions
- MD6.0-48 alternator
- 100 L fuel tank · 360 h runtime

LED LIGHTING

120,000 lm

4 × 150 W LED · 9 M MAST

- Iso-lux curve coverage profile
- Light bar rotates 355° manual
- Electrical light tilt

ENERGY STORAGE

16 kWh

LFP (LIFEPO₄) · 51.2 V 314 AH

- BMS-protected pack
- 6,000 cycles · 90% DoD
- 12 h discharge · 3 h charge

MAST & TRAILER

9 m

HYDRAULIC · 1,800 KG TRAILER

- Overrun and parking brake
- 14" tyre rim · 80 km/h tow
- Heavy-duty stabiliser legs



CRIXLEI
LUX600H

TRAILER WEIGHT
1,550 kg

KUBOTA

ALTERNATOR

LFP BATTERY

SMART CTRL

MAST 9 M

4G CLOUD (OPT.)

HYBRID POWER PRIORITY

01

DAY · IDLE

Battery charge

Engine tops up LFP pack

02

NIGHT · LIGHT

Battery only

Silent 15+ h LED operation

03

AUTO SWITCH

BMS + Smart Ctrl

Engine restart on low SOC